

## Durham Research Online

---

### Deposited in DRO:

18 May 2006

### Version of attached file:

Published Version

### Peer-review status of attached file:

Peer-reviewed

### Citation for published item:

Stevens, J. H. and King, R. (1973) 'A bibliography of Saudi Arabia.', Working Paper. University of Durham, Centre for Middle Eastern and Islamic Studies, Durham.

### Further information on publisher's website:

<http://www.dur.ac.uk/sgia/>

### Publisher's copyright statement:

### Additional information:

R. King was Research Assistant on the Arabian Peninsula Project, 1970-1971.

---

### Use policy

The full-text may be used and/or reproduced, and given to third parties in any format or medium, without prior permission or charge, for personal research or study, educational, or not-for-profit purposes provided that:

- a full bibliographic reference is made to the original source
- a [link](#) is made to the metadata record in DRO
- the full-text is not changed in any way

The full-text must not be sold in any format or medium without the formal permission of the copyright holders.

Please consult the [full DRO policy](#) for further details.

*University of Durham*

CENTRE FOR MIDDLE EASTERN  
AND ISLAMIC STUDIES

A BIBLIOGRAPHY OF  
SAUDI ARABIA

Compiled by

J. H. STEVENS

Lecturer in Geography

R. KING

Research Assistant, Arabian Peninsula Project 1970-71

CONFINED  
TO THE  
LIBRARY

REF ✓  
PK 304

Price £1.50 or \$4.50

Occasional Papers Series  
No 3, 1973

## A Bibliography of Saudi Arabia 1900-1970

### COMPILERS NOTE

The Kingdom of Saudi Arabia is a comparatively recently created political entity, unified by decree in 1932 by 'Ibn Saud (King Abdul Aziz ibn Abdul Rahman ibn Faisal al-Saud); the present King, Faisal, is the third ruler of the state. The Holy Places of Islam on the one hand and, on the other, the mystique of the deserts (in particular the Rub al Khali), have attracted travellers for centuries. Many travellers' accounts have survived and in the absence until quite recently of research and scientific observation, these have induced general impressions of Arabia which are more marked by romanticism than by accuracy.

This bibliography has been compiled as part of a project dealing with the whole Arabian peninsula; it contains almost 1100 references embracing books and articles dealing with man-man and man-land relationships. Inevitably, as in any classificatory system, the demarcation of topics cannot be wholly satisfactory. The bibliography is divided into 15 major sections, and Addenda, some of which are further subdivided. There is a comprehensive numerical cross-reference system.

Bibliographical coverage includes works in the major European languages published between 1900 and 1970, the majority being in English. Earlier material is extremely varied in type and it is planned to include this in a later bibliography. Also omitted in this volume are specialised reports produced in and for the Kingdom of Saudi Arabia as well as those published by U.N. agencies. Much of this material has not been released for general use or is not freely available; a selective bibliography of such documents is also planned for inclusion in a later volume. It is also intended to produce addenda to this work so that some subjects of increasing interest and concerning which there is a growing volume of publication (such as Water Resources, Section 8) will be more fully represented.

The compilers wish to express their thanks for the kindness and help provided by His Excellency Sheikh Abdulrahman Al-Helaisi, Ambassador in London of the Kingdom of Saudi Arabia and through him their gratitude for co-operation received from many Saudi Arabian agencies and institutions. They also thank the members of staff of several libraries for help received: the British Library for Political and Economic Science; the Royal Geographical Society; the London Library; the Centre for Overseas Pest Research; the School of Oriental and African Studies, University of London; the Middle East Centre Library, University of Oxford; the Faculty of Oriental Studies Library, University of Cambridge; the Oriental and Science Sections of Durham University Library.



# CONTENTS

Section 1.	BIBLIOGRAPHIES	page 1
Section 2.	GENERAL STUDIES	2-3
Section 3.	GEOLOGY	4-11
	Structure	page 4-6
	Stratigraphy	6-8
	Vulcanism	8
	Palaeontology	8-9
	Economic Geology	10-11
Section 4.	GEOMORPHOLOGY	12-13
Section 5.	SOILS AND VEGETATION	14-15
Section 6.	ZOOLOGY	16-23
	Birds	16-17
	Other Animals	17-18
	Locusts	18-21
	Other Insects	22
	Marine Zoology	22-23
Section 7.	CLIMATE	24-26
	Bibliographies	24
	Climate	24-25
	Meteorology	25-26
Section 8.	WATER RESOURCES	27-28
	Water Resources and Hydrology	27-28
	Desalination	28
	Water Utilisation	28
Section 9.	OCEANOGRAPHY	29-32
	The Seas	29-31
	The Sea Floor	31-32
Section 10.	EXPLORATION AND TRAVEL	33-41
	Exploration and Travel before 1900	33-35
	Twentieth century travels	35-39
	Cartography and Place Names	40-41
	Personal Reminiscences	41
Section 11.	THE EVOLUTION OF THE KINGDOM OF SAUDI ARABIA	42-53
	Archaeology and Early History	42-44
	History	44-46
	Contemporary History	46-48
	Background works	48-51
	Political Studies	51-53

Section 12.	THE PEOPLE		54-65
	Anthropology	54-56	
	Population and Social Structure	56-57	
	The Pilgrimage	58-61	
	Other Religious Aspects	61	
	Medical	61-65	
	Education and Research	65	
Section 13.	URBANISM		66-68
	Architecture	66	
	Towns and Cities	66-68	
	Consumption Patterns	68	
Section 14.	ECONOMIC DEVELOPMENTS		69-75
	General	69-70	
	Agriculture	70-71	
	Fishing and Pearling	72	
	Industry	73	
	Mining	73	
	Transport, Communications & Trade	73-75	
Section 15.	OIL		76-79
	Technical	76	
	General	76-78	
	Oil and Development	79	
Section 16.	ADDENDA		80-81

## 1. BIBLIOGRAPHIES

There are a number of bibliographies that cover the whole, or major parts, of the Middle East and readers are referred to:

HOPWOOD, D., GRIMWOOD-JONES, D. 1972. Middle East and Islam: a bibliographical introduction. IDC. AG, Zug, Switzerland

In such bibliographies there are numerous references to Saudi Arabia and, where relevant, these have been incorporated in the current bibliography.

Bibliographies directly relating to Saudi Arabia and the Arabian Peninsula include:

1. AL-HAJRASI, S.M. 1965. Bibliographical Guide to Reference Works in the Arab World. UNESCO, Cairo. 130pp.
2. DE GAURY, G. 1944. An Arabian Bibliography. J.Roy.Cent. Asian.Soc. 31(3-4) 315-320.
3. FIELD, H. 1953-1962. Bibliography of Southwestern Asia. 7 vols. Coral Gables. Univ. Miami Press.
4. HAZARD, H.W et.al. 1956. Bibliography of the Arabian Peninsula. Amer. Geogr.Soc. Human Relations Area Files. New Haven. 256pp.
5. GAY, J. 1961. Bibliographie des Ouvrages Relatifs à l'Afrique et à l'Arabie. Meridian, Amsterdam. 312pp.
6. HEYWORTH-DUNNE, J. 1952. Bibliography and Reading Guide to Arabia. Renaissance Bookshop, Cairo. 16pp.
7. LIBRARY OF CONGRESS. 1969. The Arabian Peninsula: a selected, annotated list of periodicals, books and articles in English. Washington. 111pp.
8. MACRO, E. 1958. Bibliography of the Arabian Peninsula. Coral Gables. Univ. Miami. 92pp.
9. RENTZ, G. 1950. Literature on the Kingdom of Saudi Arabia. Mid.East.J. 4(2). 244-249.

Further specialised bibliographies are listed under reference numbers: 210, 250, 266, 267, 268, 269.



## 2. GENERAL STUDIES

These books, while mainly concerned with the Middle East in general, devote substantial parts to studies of Saudi Arabia and the Arabian Peninsula. Several have had more recent additions published since 1970.

10. ARAMCO. 1968. Oil and the Middle East. Dhahran. 279pp.
11. BENOIST-MECHIN, J. 1959. Un Printemps Arabe. Paris, Albin Michel. 596pp.
12. BENUMEYON, R.G. 1952. Panorama del Mundo Arabe. Madrid, Inst. de Est. Africanos. 202pp.
13. BERREBY, J-J, 1958. La Péninsule Arabique; terre sainte de l'Islam, patrie d'Arabisme et Empire du Pétirole. Paris, Payot. 270pp.
14. BRICE, W.C. 1966. South-West Asia. London, ULP. 448pp.
15. BRITISH INFORMATION SERVICES. 1959. Middle East Background. London, HMSO.
16. BULLARD, R.(Ed). 1961. The Middle East: a political & economic Survey. London, RIIA. 569pp. (3rd Edition)
17. BUTLER, G.C. 1964. Beyond Arabian Sands. New York, Devin Adair. 223pp.
18. COON, C.S. 1965. Caravan: the story of the Middle East. New York, Holt, Rinehart & Winston. 386pp.
19. CRESSEY, G.B. 1960. Crossroads: Land and Life in southwest Asia. New York, Lippincott. 593pp.
20. DE PLANHOL, X. 1968. Les Fondements Geographiques de l'Histoire de l'Islam. Paris, Flammarion. 443pp.
21. ENCYCLOPAEDIA OF ISLAM. 1953 et seq. Leiden, Bull.
22. EUROPA PUBLICATIONS. 1970. The Middle East and North Africa. London, Europa. (17th Edition)
23. FISHER, W.B. 1963. The Middle East. London, Methuen. 568pp. (5th Edition)
24. FURON, R. 1957. Le Proche-Orient. Paris, Payot. 267pp.
25. HAZARD, H. 1970. The Arabian Peninsula. Amer. Geogr.Soc. New York, Doubleday. 61pp. (3rd Edition).
26. HILLS, E.S.(Ed). 1966. Arid Lands: a geographical appraisal. UNESCO. London, Macmillan. 461pp.
27. LONGRIGG, S.H. 1963. The Middle East: a social geography. London, Duckworth. 291pp.
28. LYDE, L.W. 1938. The Continent of Asia. London, Macmillan. 777pp.

29. MCGINNIES, W.G.(Ed). 1968. Deserts of the World. Univ.Ariz.Press.788pp.
30. ORGELS, B. 1965. La terre et les hommes dans le monde musulman.  
Brussels, Centre pour l'étude des Problèmes du Mondo  
Musulman Contemporain. 94pp.
31. PERETZ, D. 1963. The Middle East Today. New York, Holt, Reinhart  
& Winston. 483pp.
32. RENTZ, G. 1960. A Sketch of the Geography, People and History of  
the Arabian Peninsula. Dhahran, ARAMCO. 67pp.
33. SANGER, R.H. 1954. The Arabian Peninsula. New York, Cornell  
Univ. Press. 295pp.
34. THOMAS, B. 1940. The Arabs. London, Thornton, Butterworth. 372pp.
35. VAN DER MEULEN, D. 1961. Faces in Shem (Arabia). London, Murray.194pp.
36. WALTON, K. 1969. The Arid Zones. London, Hutchinson. 175pp.
37. ZWEMER, Rev.S.M. 1900. Arabia: the cradle of Islam. Edinburgh,  
Oliphant, Anderson & Fernier, 434pp.



### 3. GEOLOGY

#### STRUCTURE

This section contains much of the literature relating to the formation of the Red Sea Rift. Works dealing specifically with the Gulf of Aden are omitted.

BOOKS. (see also 72, 73, 74, 75, 357)

38. BUREK, P.J. 1968. Tectonic effects of sea floor spreading on the Arabian Shield. Dallas, S.W. Centre Adv. Studies. Geosci. Div. Contr. 81.
39. FALCON, N.L., GASS, I.G., GIRDLER, R.W., LAUGHTON, A.S. (Eds). 1970. A Discussion on the Structure and Evolution of the Red Sea and the Nature of the Red Sea, Gulf of Aden and Ethiopia Rift Junction. Phil. Trans. Roy.Soc. Series A. 267 (1181) 417pp.
40. GREGORY, J.W. 1929. The Structure of Asia. London, Methuen. 227pp.
41. LAMARE, P. 1936. Structure Géologique de l'Arabie. Paris, Lib. Polytech. Beranger.
42. PICARD, L. 1937. On the Structure of the Arabian Peninsula. Heb.Univ. Jerusalem. Geol. Dept. Ser.1. (3) 12pp.

ARTICLES. (see also 91, 360, 367, 375)

43. ABDEL-GAWAD, M. 1969. New evidence of transcurrent movements in Red Sea area and petroleum implications. Bull.Amer.Assoc. Petrol. Geol. 53(7). 1466-1479.
44. \_\_\_\_\_ 1969. Geological structures of the Red Sea inferred from Satellite pictures. in Hot Brines and Recent Heavy Metal Deposits in the Red Sea Area. (Ed. E.T.Degens, D.A.Ross) New York, Springer.
45. ALLAN, T.D. 1964. A preliminary magnetic survey in the Red Sea and Gulf of Aden. Bull. Geofis. Teor. Appl. 6(23), 199-214.
46. AWAD, H. 1942. Contribution à l'étude de la structure géographique de l'Arabie et des régions voisines. Ann.de.Geogr. 51(1). 49-52.
47. BROWN, G.F., JACKSON, R.O. 1960. The Arabian Shield. 21st Inst. Geol.Congr. Copenhagen. 9(9), 69-77.

48. DRAKE, C.L., GIRDLER, R.W. 1964. A geophysical study of the Red Sea. Geophys.J. 8(5). 473-495.
49. GASS, I.G. 1969. The Red Sea Depression. Geol.Mag. 106(1).89-90.
50. GASS, I.G., GIBSON, I.L. 1969. Structural Evolution of the Rift Zones in the Middle East. Nature 221. 926.
51. GIRDLER, R.W. 1958. The Relationship of the Red Sea to the East African Rift System. Q.J.Geol.Soc.London. CXIV(1).79-105.
52. \_\_\_\_\_ 1962. Initiation of Continental Drift. Nature. 144(4828). 521-524.
53. \_\_\_\_\_ 1965. The role of translational and rotational movements in the formation of the Red Sea and Gulf of Aden. Symp.World Rift Syst. Ottawa. 66(14). 65-77.
54. \_\_\_\_\_ 1970. The structure and evolution of the Red Sea and the nature of the Red Sea, Gulf of Aden and Ethiopian Rift System. Tectonophysics. 10(5-6). 579-582.
55. GUILCHER, A. 1954. Structure et relief de l'Arabie, du Sinai et de la Mer Rouge. L'info.Geogr. 18(2).56-63.
56. IVANHOE, L.F. 1967. Coastal movements in the Arabia Region. Geotimes 12 (10).12.
57. HUME, W.F. 1921. Relations of the Northern Red Sea and its associated Gulf areas to the 'rift' theory. Q.J.Geol.Soc.London. LXXVI. xcvi-ci.
58. KARPOFF, R. 1955. Observations preliminaires sur le socle ancien de l'Arabie. Compte.Rend.Somm.des Séances Soc.Geol.France. 5-6. 105-106.
59. MCKENZIE, D.P., DAVIES, D., MOLNOR, P. 1970. Plate tectonics of the Red Sea and East Africa. Nature 226. 243-248.
60. MITCHELL, R.C. 1959. The Tectonic Foundations and Character of South-West Asia. Egypt.J.Geol. 3(1).1-58.
61. \_\_\_\_\_ 1957. Fault problem of northwestern Hejaz, Saudi Arabia. Eclog.Geol.Helv. 50(2).257-270.
62. OWEN, L. 1938. Origin of the Red Sea Depression. Amer.Assoc.Petrol. Geol. 22(9). 1217-1223.
63. QUENELL, A.M. 1958. The Structure and Geomorphic evolution of the Dead Sea Rift. Q.J.Geol.Soc.London. 114(1). 1-24.

64. QUENELL, A.M. 1959. Tectonics of the Dead Sea Rift. 20th.Int. Geol. Congr. Mexico Ser.Geol.Africa. 385-403.
65. SHALEM, N. 1952. The Red Sea and erythrean disturbances. 19th Int. Geol. Congr. Algiers 15(17). 223-231.
66. SWARTZ, D.H. ARDEN, D.D. 1960. Geologic History of the Red Sea Area. Bull.Amer.Assoc.Petrol.Geol. 44(10). 1621-1637.
67. EL-TABABILI, S. 1970. Contribution to the origin of the Red Sea Depression - origin of its northern part. 7th Arab. Petrol. Congr. Kuwait. Paper 63(B-3).
68. TROMP, S.W. 1950. The age and origin of the Red Sea graben. Geol. Mag. 87(3). 385-392.
69. VON WISSMAN, H. RATHJENS, C. KASSMAT, F. 1942. Beitrage zur Tektonik Arabiens. Geol. Rundschau. 33(4-6). 221-353.
70. VROMAN, A.J. 1961. On the Red Sea Rift Problem. Bull.Res.Council. Israel. 106(1-2). 321-338.
71. WHITEMAN, A.J. 1968. Formation of the Red Sea Depression. Geol.Mag. 105(3). 231-246.

#### STRATIGRAPHY

##### BOOKS

72. ARAMBOURG, C. DUBERTRET, L. SIGNEUX, J. SORNAY, J. 1959. Contributions à la géologie de la Péninsule Arabique. Notes et Memoires sur le Moyen-Orient. 7. 251pp.
73. BLANCKENHORN, M. 1914. Syrian, Arabien und Mesopotanien. (Handbuck der regionalen Geologie). Heidelberg.
74. PICARD, L. 1941. The Precambrian of the North Arabian - Nubian massif. Jerusalem, Hebrew Univ, Bull-Geol.Dept.3. 30pp.
75. PILGRIM, G.E. 1908. The Geology of the Persian Gulf and the adjoining portions of Persia and Arabia. India. Geol.Survey Mem. 34(4) 177pp.
76. POWERS, R.W. RAMIREZ, L.F. REDMOND, C.D. ELBERG, E.L. 1966. Sedimentary Geology of Saudi Arabia. Geol.Survey, Prof.Paper 560-D. 147pp.
77. SCHURMANN, H.M. 1966. The Pre-Cambrian along the Gulf of Suez and the Northern Part of the Red Sea. Leiden, Brill. 405pp.

ARTICLES (see also 113, 120, 121, 122, 123, 124, 137, 281, 305)

78. BRAMKAMP, R.A. POWERS, R.W. 1958. Classification of Arabian carbonate rocks. Bull.Geol.Soc.Amer. 69(10). 1305-1313.
79. DUNNINGTON, H.V. 1967. Stratigraphical distribution of oil fields in the Iraq-Iran- Arabia Basin. J.Inst.Petrol. 53(520).129-161.
80. FALCON, N.L. 1967. The geology of the north-east margin of the Arabian Basement Shield. Adv.Sci. 24(119). 31-42.
81. HELAL, A.H. 1964. On the occurrence and stratigraphic position of Permo-Carboniferous tillites in Saudi Arabia. Geol.Rundschau. 54(1). 193-207.
82. \_\_\_\_\_ 1964. On the occurrence of lower Paleozoic rocks in Tabuk area, Saudi Arabia. N.Jb. Geol.Palaont. 7(4-6). 391-414.
83. \_\_\_\_\_ 1965. General geology and litho-stratigraphic subdivision of the Devonian rocks in the Jauf area, Saudi Arabia. N.Jb.Geol.Palaont. 9(5). 527-551.
84. HENSON, F.R.S. 1950. Cretaceous and Tertiary reef formations and Associated sediments in the Middle East. Bull.Amer.Assoc. Petrol.Geol. 34(2). 215-238.
85. JUBER, A.S. 1965. Biostratigraphic studies of two middle-upper Cretaceous sections in Khafji oil field, neutral zone, Arabian Gulf. 5th Arab Petrol.Congr. Cairo, 2. Paper 34(B-3).
86. KARPOFF, R. 1956. Sur quelques série sedimentaires d'Arabie, occidentale et centrale. Compte Rendu Somm. des Séances Soc. Geol.France. 244(1). 17-18.
87. \_\_\_\_\_ 1957. Deux séries du Précambrian supérieur au Sahara central et en Arabie: le Nigritien et la Série du Wadi Fatima. Colloques Inst.CNRS. 199-206.
88. \_\_\_\_\_ 1957. Esquisse géologique de l'Arabie séoudite. Bull.Soc.Geol.France 6(7). 653-697.
89. \_\_\_\_\_ 1957. Sur l'existence du Maestrichtian au N de Djeddah. C.R.Ac.Sci. 245. 1322-1324.
90. \_\_\_\_\_ 1960. L'Antécambrian de la Peninsule Arabique, 21st. Int.Geol.Cong.Copenhagen 9(9). 78-94.



91. REES, G.M. 1950. Some structural and stratigraphical aspects of oil fields in the Middle East. 18th Int.Geol.Congr. London 6. 26-33.
92. LOUTFI, G., JABER, A.S. 1970. Geology of the Upper Albian Campanian succession in the Kuwait-Saudi Arabian Neutral Zone, offshore area. 7th Arab.Petrol.Congr. Kuwait. Paper 62(B-3).
93. MITCHELL, R.C. 1957. Notes on the geology of western Iraq and northern Saudi Arabia. Geol. Rundschau. 46(2). 476-493.
94. POWERS, R.W. 1962. Arabian Upper Jurassic carbonate reservoir rocks. Amer.Assoc.Petrol.Geol. Mem.1. 122-192.
95. SHURRAB, A.H. 1960. Geology of Eastern Nejd, Saudi Arabia. 2nd Arab. Petrol.Congr. Beirut.2. 86-95.

#### VULCANISM (including Meteorites)

##### BOOKS

96. BARTHOUX, J.C. 1922. Chronologie et description des roches ignées du désert arabe. Mem. Inst.d'Egypte. 5. 262pp.
97. VAN PADANG, M.N. 1963. Catalogue of Active Volcanoes of the World 16. Arabia and the Indian Ocean. Rome, Int.Inst. Volcanology. 64pp.

##### ARTICLES

98. HALBFASS, W. 1933. Ein Meteoriten Krater in Sudarabien. Pet. Geog.Mitt. 79(3-4). 72.
99. HOLM, D.A. 1962. New meteorite localities in the Rub-al-Khali, Saudi Arabia. Amer.J.Sci. 260(2). 303-309.

#### PALAEONTOLOGY

A number of references in this section relate to the Arabian Gulf and Red Sea regions, outside the political boundaries of Saudi Arabia.

##### BOOKS

100. CLEGG, E.L.G. 1933. Echinoidea from the Persian Gulf. Mem.Geol. Survey India. Paleont. India XXII(1) 35pp.
101. HENSON, F.R.S. 1948. Larger imperforate Foraminifera of south-western Asia. London, Jarrold & Sons. 117pp.

102. IMLAY, R.W. 1970. Some Jurassic Ammonites from Central Saudi Arabia. U.S. Geol. Survey. Prof. Paper 643.D. 17pp.
103. PICARD, L. 1942. New Cambrian fossils and Paleozoic problematica from the Dead Sea and Arabia. Jerusalem, Hebrew Univ. Bull. Geol. Dept. 4(1). 18pp.

#### ARTICLES

104. ARKELL, W.J. 1952. Jurassic Ammonites from Jebel Tuwaiq, central Arabia. Phil. Trans. Roy. Soc. Series B. 633(236). 257-313.
105. CRICK, G.C. 1905. On a dibranchiate cephalopod, *Styracoteuthis orientalis*. Proc. Malac. Soc. VI. 274-278.
106. ELLIOT, G.F. 1960. Fossil calcareous algal Floras of the Middle East. Q. J. Geol. Soc. London 115(3). 217-232.
107. HEMER, D.O. 1965. Application of Palynology in Saudi Arabia. 5th Arab Petrol. Congr. Cairo. 2. Paper 36(B-3).
108. ROBER, L. 1919. Geologische Forschungen in Vorderasien. II Teil C. das nordliche Hegaz. Wein. Akad. Wiss Math. Natur. Kl. 96. 779-820.
109. NEWTON, R.B. 1921. On a marine Jurassic fauna from Central Arabia. Ann. Mag. Nat. Hist. 7(12). 389.
110. REDMOND, C.D. 1964. The foraminiferal family, Pfornderinidae, in the Jurassic of Saudi Arabia. Micro-palaeontology. 10(2). 251-263.
111. \_\_\_\_\_ 1964. Lituolid foraminifera from the Jurassic and Cretaceous of Saudi Arabia. Micro-palaeontology. 10(4). 405-414.
112. \_\_\_\_\_ 1965. Three new genera of foraminifera from the Jurassic of Saudi Arabia. Micro-palaeontology 11(2). 133-140.
113. REZAK, R. 1959. Permian algae from Saudi Arabia. J. Palaeontology. 33(4). 531-539.
114. SANDER, N.J. 1962. Aperçu paléontologique et stratigraphique de paléogène en Arabie Séoudite orientale. Rev. de Micro-palaeontologie. 5(1). 3-40.



ECONOMIC GEOLOGY

References in ECONOMIC DEVELOPMENT (MINING) and OIL are also pertinent. There are numerous consultancy reports on the feasibility of exploiting minerals in Saudi Arabia but none have been included in this bibliography as they are not usually accessible for research purposes.

BOOKS

115. BHUTTA, M.A. 1966. Physical and Geological characteristics of the northern Ad-Dughm glass sand deposit, ar-Riyadh district, Saudi Arabia. Jeddah, Min.Petrol. Min.Res. 28pp.
116. BOYD, J.D., DUNCAN, R. 1945. Notes on the Mineral Resources of the Middle East. Cairo, M.E.Supply Centre. 77pp.
117. JOHNSON, R.F., TRENT, V.A. 1967. Mineral reconnaissance of the al-Jizl quadrangle, northwest Hijaz. Jeddah, Min.Petrol.Min.Res.
118. \_\_\_\_\_ 1967. Mineral reconnaissance of the Qal'at as Sawrah quadrangle. Jeddah, Min. Petrol.Min.Res.
119. MYTTON, J. 1966. Geologic map of the Turayf phosphate area. Jeddah, Min.Petr.Min.Res.
120. Al-SHANTI, A.S.M. 1966. Oolitic iron ore deposits in Wadi Fatima between Jedda and Mecca. Jeddah, Min.Petrol.Min.Res. 51pp.
121. TRENT, V.A., JOHNSON, R.F. 1967. Reconnaissance investigations in the Jabal Al Lawz quadrangle, Aqaba area. Jeddah, Min.Petrol.Min.Res.
122. \_\_\_\_\_ 1967. Reconnaissance mineral and geologic investigations in the Haql quadrangle, Aqaba area. Jeddah, Min.Petrol.Min.Res.
123. WHITLOW, J.W. 1968. Geology and chemical reconnaissance of the Jabal al Hawshah quadrangle, Southern Najd. Jeddah, Min. Petrol. Min.Res.
124. \_\_\_\_\_ 1968. Geology and geochemical reconnaissance of the Jabal Ash Shumrah quadrangle, Southern Najd. Jeddah, Min.Petrol.Min.Res.
125. \_\_\_\_\_ 1968. Geology and geochemical reconnaissance of the Jabal Sahah quadrangle, Southern Najd. Jeddah, Min.Petrol.Min.Res.

ARTICLES

126. ANON. 1963. Saudi Arabia minerals. Mining J. 260(6654). 202.
127. \_\_\_\_\_. 1963. Mineral resources in Saudi Arabia. Min.Tr.Notes. 56(1). 43-46.
128. \_\_\_\_\_. 1966. Saudi Arabian exploration program reveals significant mineral finds. Engng.Min.J. 167(4). 89-98.
129. BAKER, N.E., HENSON, F.R.S. 1952. Geological conditions of oil occurrence in Middle East fields. Bull.Amer. Petrol. Geol. 36(10). 1885-1901.
130. BROBST, D.A. 1967. Anomalous metal concentrations in jasperoid from hypogene barite veins near Rabigh. U.S.Geol.Survey. Prof.Paper. 550-C. 187-189.
131. CATHCART, J.B. 1968. Texture and composition of outcropping phosphorite in the Juraif region. U.S.Geol.Survey. Prof. Paper 600-C. 4-12.
132. FOTHS, F.V. 1947. Oil Reserve provinces of Middle East and Southern Soviet Russia. Bull.Amer.Assoc.Petrol.Geol. 31. 1372-1883.
133. HENSON, F.R.S. 1951. Observations on the geology and petroleum occurrences of the Middle East, 3rd Wld.Petrol. Congress. The Hague. 1. 118-140.
134. LAW, J. 1957. Reasons for Persian Gulf oil abundance. Bull. Amer.Assoc.Petrol.Geol. 41(1). 51-69.
135. LEES, G.M. 1951. The oil fields of the Middle East. Petrol. Times. 55(1408). 651-654.
136. \_\_\_\_\_. 1953. The Middle East. Sci.Petrol. 6(1). 67-72.
137. NEUBAUER, W.H. 1964. Geologie der Goldlagerst tte von El Sid in Ober gypten mit einen Beitrag zu Geologie der zentraken arabischen W ste. Geol.Jahrbuch. 80. 117-160.
138. STEINEKE, M., BRAMKAMP, R.A., SANDER, N.J. 1953. Stratigraphic relations of Arabian Jurassic oil. in Habitat of Oil (ed.L.G.Weeks). Amer.Assoc.Petrol.Geol. 1294-1329.
139. THRALLS, W.C., HASSON, R.C. 1956. Geology and oil resources of eastern Saudi Arabia. 20e. Congr s.G ol.Int. Mexico. Symp.Gisements.Petrol.Gaz. 2. 9-32.
140. TWITCHELL, K.S. 1929. A singular mission for a mining engineer. Min.Metal. 10. 7-9.

#### 4. GEOMORPHOLOGY

In addition to the references listed in this section, many of the BOOKS and ARTICLES in the section on EXPLORATION AND TRAVEL provide descriptions of the topography and geomorphological features of Saudi Arabia.

BOOKS (see also 416, 424, 426)

141. BUTZER, K.W. 1958. Quaternary stratigraphy and climate in the Near East. Bonn, Bonner Geogr. Abhandlungen. 24.

ARTICLES (see also 98, 290, 468, 481, 482, 483, 484, 485)

142. ABUL-HAGGAG, Y. 1965. A recent karstic phenomenon in the limestone country of North Central Nejd, Saudi Arabia. Bull.Soc.Geogr.Egypte. 38. 73-80.
143. \_\_\_\_\_ 1965. Geographical observations in Western Arabia. Bull.Soc.Geogr.Egypte. 38. 81-95.
144. AUFRÈRE, L. 1929. Le problème géographique des dunes dans les déserts chauds du nord de l'Ancien Monde. (Sahara, Arabic, Inde). Comp.Rend.Ass.Francais Avance.Sci.
145. BLANCHARD, R. 1926. Le relief de l'Arabie centrale. R.G.Alpine. 14(4). 765-786.
146. BRAMKAMP, R.A., POWERS, R.W. 1955. Two Persian Gulf lagoons. J.Sed.Petr. 25. 139-140.
147. BROWN, G.H. 1960. Geomorphology of Western and Central Saudi Arabia. 21st.Int.Geol.Congr. Copenhagen 21. 150-159.
148. DAVIS, C.K., NEAL, J.T. 1963. Descriptions and airphoto characteristics of desert landforms. Photogram.Engng. 29(4). 621-631.
149. HELAL, A.H. 1964. Die bedeutung eines ägyptischen febbildes bei Mekka fur die frage nach dem alter von blockmeerbildungen und desquamationen in Saudi in Saudi Arabien. Zeitsch. F.Geomorph. 8(3). 367-369.
150. HOLM, D.A. 1953. Dome shaped dunes of Central Nejd, Saudi Arabia. Comp.Rend.Congr.Int.Geol.19. Algiers. 7(7). 107-112.

151. HOLM, D.A. 1960. Desert geomorphology of the Arabian Peninsula.  
Science. 132(2437). 1369-1379.
152. KASELAU, A. 1928. Die naturelichen landschaften nord-und  
zentral-arabiens. Peterm.Geograph. Mitt. 74(11-12). 341-342.
153. NORRIS, R. 1969. Dune reddening and time. J.Sed.Petr.  
39(1). 7-11.
154. SCHMIDT, W. 1923. Die scherms en der Rothmeerkuste von  
el-Hedsches. Peterm.Geogr.Mitt. 69 (5-6). 118-121.
155. VERSTAPPEN, H. 1968. On the origin of Seif dunes.  
Zeitsch.F.Geomorph. 12(2). 200-220.

## 5. SOILS AND VEGETATION

These two aspects of the physical environment have, until recently been neglected in studies of the Kingdom of Saudi Arabia as is evident in the paucity of references.

### SOILS

No books or articles have been published on the soils of Saudi Arabia during the period 1900-1970. However, with the rapid increase in agricultural area and several major irrigation schemes, soil surveys have been carried out for parts of the country. Reports on the soils of specific projects have been published by FAO and various consultancy firms, but, as these are not readily accessible to research workers, they have been omitted from this bibliography.

### VEGETATION

#### ARTICLES

156. BLATTER, E. 1919-1936. Flora Arabica. Rec. Ind. Bot. Survey. 8(1-6). 1-519.
157. BURRET, M. 1943. Die palmen arabien. Engler Bot. Jb. 73(2). 175-190.
158. DELBES, P. 1955. Arabie Saoudite et Yemen. in Plant Ecology, reviews of research. And. Zone. Res. UNESCO 6. 135-150.
159. SAVULESCU, T. 1928. Contributions à la flore d'Arabie. Bull. Acad. Sci. Rumania. 11. 14-24.
160. VESEY-FITZGERALD, D.F. 1955. Vegetation of the Red Sea Coast, south of Jeddah, Saudi Arabia. J. Ecol. 43(2). 477-489.
161. \_\_\_\_\_ 1957. Vegetation of the Red Sea Coast, north of Jeddah, Saudi Arabia. J. Ecol. 45(2). 547-562.
162. \_\_\_\_\_ 1957. The vegetation of Central and Eastern Arabia. J. Ecol. 45(3). 779-798.
163. ZOHARY, M. 1940. On the Ghada tree of the northern Arabian and the Syrian desert. Palestine J. Bot. 1(4). 413-416.

164. ZOHARY, M. 1941. The flora of the desert to the south and west of Basra. Proc.Linn.Soc. 153. 98-108.
165. \_\_\_\_\_ 1957. A contribution to the flora of Saudi Arabia. J.Linn.Soc. 55(362). 632-643.



6. ZOOLOGY

BIRDS

BOOK

166. MEINERTZHAGEN, R. 1954. Birds of Arabia. Edinburgh,  
Oliver and Boyd. 624pp.

ARTICLES

167. CARRUTHERS, D. 1922. The Arabian ostrich. Ibis.  
11(4). 471-474.
168. \_\_\_\_\_ 1922. The Arabian ostrich. The Field.  
139. 779.
169. FIELD, H. 1952. The ostrich in Southwestern Asia. Man. 73.
170. \_\_\_\_\_ 1958. The ostrich in Southwestern Asia, a further note.  
Man. 67.
171. HALFAWI, S. 1945. A collection of birds from Western Saudi  
Arabia. Bull.Zool.Soc.Egypt. 7. (Suppl.).
172. KINNEAR, N.B. 1931. On some birds from central Arabia. Ibis.  
13(1). 698-701.
173. MEINERTZHAGEN, R. 1949. Notes on Saudi Arabian Birds. Ibis.  
91(3). 465-482.
174. \_\_\_\_\_ 1949. Owls from Arabia. Bull.Brit.Ornith.Club.  
69. 8-11.
175. RIPLEY, S.D. 1951. Birds collected and noted around Dhahran,  
Saudi Arabia, and Bahrain Island. Postilla Yale Peabody Mus.  
9. 1-11.
176. \_\_\_\_\_ 1953. Comments on the biogeography of Arabia  
with particular reference to birds. J.Bombay Nat.Hist.Soc.  
52(2-3). 241-248.
177. TICEHURST, C.B., CHEESMAN, R.E. 1925. The birds of Jabrin,  
Jafura and Hasa in central and eastern Arabia, and Bahrein  
Island, Persian Gulf. Ibis. 12(1). 1-31.

178. TROTT, A.C. 1947. Notes on birds seen and collected at Jedda and in Arabia during 1937-1940. Ibis. 89(1). 77-98.
179. \_\_\_\_\_ 1941. Notes on birds seen and collected at Jedda, 1937-1940. Ibis. 83(3). 396-402.

#### OTHER ANIMALS

##### BOOKS (see also 413)

180. BROWN, W.R. 1948. The Horse of the Desert. New York, Macmillan, 218pp.
181. BUXTON, P.A. 1923. Animal Life in Deserts. London, Arnold.
182. DAVENPORT, H.C. 1909. My quest of the Arab Horse. New York, Dodge, 276pp.
183. HARRISON, D.L. 1964, 1968. The Mammals of Arabia. London, Benn. 2 vols.
184. SHEPHERD, A. 1965. The Flight of the Unicorns. London, Elek. 208pp.
185. WENTWORTH, BARONESS J. 1945. The Authentic Arabian Horse and his Descendants. London, Allen & Unwin. 388pp.

##### ARTICLES

186. BODENHEIMER, F.S. 1937. Problems of animal distribution in Arabia. Proc.Linn.Soc. 150. 47-51.
187. CARRUTHERS, D.C., SCHWARZ, E. 1935. On a gazelle from central Arabia. Proc.Zool.Soc. 105. 135-136.
188. CHEESMAN, R.E., HINTON, M.A.C. 1924. On the mammals collected in the desert of Central Arabia by Major Cheesman. Ann.Mag. Nat.Hist. Ser.9. 14(83). 548-558.
189. DOLLMAN, J.G. 1927. A new race of Arabian gazelle. Proc.Zool. Soc. 1005.
190. GROVES, C.P., HARRISON, D.L. 1967. The taxonomy of the gazelles of Arabia. J.Zool. 152(4). 381-387.
191. GUTTMANN, U. 1966. Des arabischen Beduinen Dhalul. Die Natur, 74(2). 76-83.

192. HAAS, G. 1957. Some amphibians and reptiles from Arabia. Proc. Calif. Acad. Sci. 29(3). 47-86.
193. HAMILTON, R.E.A. 1918. The Beatrix or Arabian Onyx. J. Bombay Nat. Hist. Soc. 26. 283-284.
194. HARRISON, D.L. 1968. The large mammals of Arabia. Oryx. 9(2). 357-363.
195. LEWIS, R.E., LEWIS, J.H., HARRISON, D.L. 1965. On a collection of mammals from northern Saudi Arabia. Proc. Zool. Soc. 144(1). 61-74.
196. MORRISON-SCOTT, T.C.S. 1939. Some Arabian mammals collected by H.St.J.B. Philby. Novitates Zoologicae. 41. 181-211.
197. PARKER, H.W. 1938. Reptiles and amphibians from the southern Hejaz. Ann. Mag. Nat. Hist. Ser. 11. 1(5). 481-492.
198. POCKOCK, P.I. 1935. Mammals collected in S.E. Arabia by Bertram Thomas and H.St.J.B. Philby. Ann. Mag. Nat. Hist. Ser. 10. 15(88). 441-467.
199. SCHMIDT, K.P. 1940. Reptiles and Amphibians from Central Arabia. Field Mus. Nat. Hist. (Chicago) Zool. Ser. 24. 161-165.
200. STEWART, D.R.M. 1963. The Arabian Oryx. E. Afr. Wildlife J. 1. 103-117.
201. VESEY-FITZGERALD, D.F. 1952. Wild life in Arabia. Oryx. 1(4). 232-235.
202. \_\_\_\_\_ 1953. Notes on some rodents from Saudi Arabia and Kuwait. J. Bombay Nat. Hist. Soc. 51(2). 424-428.

#### LOCUSTS

Due to the large quantity of literature on locusts and their economic significance in the Peninsula, literature on this insect has been separated from remaining references to other insects. Furthermore, a number of reports have been included in the BOOKS section as they are easily obtainable from the Organizations which originally published them.

BOOKS (see also 441)

203. ALBRECHT, F.O. 1968. Report on the Desert locust field research stations and coordination of research. Desert Locust Proj.Prog.Rep. Rome, FAO. 109pp.
204. ANON. 1963. Field studies on solitary and transiens Desert locusts in the Red Sea area. Anti Locust. Bull.40. 93pp.
205. BULLEN, F.T. 1969. The Distribution of the Damage Potential of the Desert locust. London, Anti Locust Res.Cent. Mem.10. 44p.
206. COCHEMÉ, J. (Comp). 1966-68. Anti-locust Climatic manual. Rome, FAO. 2 Sects.
207. DAVIES, D.E. 1952. Seasonal Breeding and Migrations of the Desert Locust in north eastern Africa and the Middle East. London, Anti Locust Res.Cent. Mem.4. 57pp.
208. FAO. 1969. First Session of the Commission for controlling the Desert Locust in the Near East. Rome, FAO. 27pp.
209. FORTESCUE-FOULKES, J. 1953. Seasonal Breeding and Migrations of the Desert Locust in south-western Asia. London, Anti Locust Res.Cent.Mem.5. 36pp.
210. JAY, D. 1969. Annotated Bibliography of locusts in South-western Asia. Coconut Grove,Field Res.Proj. 30pp.
211. KRARUP, H.H. 1966. Evaluation and Application of meteorological data for desert locust control work. Geneva, Wld.Met. Org.Rep.Tech.Coop 4. 16pp.
212. LEAN, O.B. 1965. FAO's contribution to the evolution of international control of the desert locust. 1951-1963. Rome, FAO. Desert Locust Newsletter. 142pp.
213. LEHETA, M.F., HASSANEIN, M.S., EL-HADI, N.H.A. 1968. Field observation on oviposition behaviour of the Desert Locust in Saudi Arabia. Rome, FAO. 33pp.
214. RAINEY, R.C. 1963. Meteorology and the Migration of Desert locusts. Geneva, Wld.Met.Org.Tech.Note 54. 115pp.
215. TAYLOR, T.H.C. 1968. Desert Locust Project: Final Report. Rome, FAO. 142pp.

216. WALOFF, Z. 1966. The Upsurges and Recessions of the Desert Locust Plague: an Historical Survey. London, Anti-Locust Res.Cent, Mem.8. 111pp.
217. WARDHAUGH, K., ASHOUR, Y., BASSENBOL, M., KHAN, A.M., IBRAHIM, A.O. 1969. Experiments on the incubation and hopper development periods of the Desert Locust in Saudi Arabia. London, Anti-Locust Res.Cent.Bull.45. 38pp.

#### ARTICLES

218. ANON, 1962. Local outbreaks of the African migratory locust in the Red Sea area. FAO.Plant.Prot.Bull. 10(3). 61-63.
219. ASHALL, C. 1961. The influence of environment on the behaviour of the Desert Locust in relation to aggregation and dispersal. Lectures, 1st. Desert Locust Training Course. Rabat.(FAO).29-36.
220. DENTON, J.M. 1969. Breeding of the desert locust over southern Arabia following a tropical cyclone in May 1959. London, Anti Locust Res.Cent.Occ Paper. 15 1-4.
221. DA CRUZ, D. 1967. Plague across the land. Aramco Wld. 18(6).20-25.
222. EL-HADI, N.H.A., EL-BADRY, M.M. 1964. Ultra low volume spraying by the use of exhaust sprayers in desert locust control. Agric.Res.Rev.(Cairo). 42(3). 40-46.
223. HUSSEIN, M. 1934. Summary reports on the work of the 3rd Egyptian Anti-Locust Unit to Arabia. Bull.Soc. Fouad.d'Entomologie. 28. 155-157.
224. \_\_\_\_\_ 1938. An expedition to Arabia for locust investigations. 5th Conf.Int.Recherches Anti-Acrid. Brussels. 345-366.
225. LEHETA, M.F. 1965. Operation of desert locust control in Saudi Arabia. Lectures, 4th Desert Locust Training Course, Cairo. (FAO). 201-208.
226. \_\_\_\_\_ 1965. International desert locust control in the Arabian Peninsula. Lectures, 4th Desert Locust Training Course, Cairo (FAO). 215-220.



227. MAXWELL-DARLING, R.C. 1937. The outbreak of the Desert Locust in Arabia. Bull.Entomol.Res. 23(21). 605-618.
228. PEDGLEY, B. 1969. Desert locust swarm movements from India and Pakistan during the passage of a depression in early September 1961. London, Anti Locust Res.Cent.Occ.Rep 14. 1-4.
229. PEDGLEY, D.E., SYMMONS, P.M. 1969. Weather and the locust upsurge. Weather. 23(12). 484-492.
230. RAINEY, R.C. 1963. Locust migration and weather; plague dynamics and weather maps. Lectures, 3rd Desert Locust Training Course. Karachi (FAO). 80-82.
231. \_\_\_\_\_ 1965. Seasonal and longer period changes in the desert locust situation; with a note on a tropical cyclone affecting Southern Arabia in 1948. Geneva, Wld.Met.Org.Tech.Note. 69. 255-264.
232. RENJTHEN, P.L., ATRI, S.P. 1960. Mortality of desert locust hoppers due to high velocity wind in Saudi Arabia. Plant. Prot.Bull.(New Delhi). 12(1-4). 41-42.
233. ROFFEY, J. 1969. The Build-up of the present desert locust plague. PANS 15(1). 12-17.
234. ROONWAL, M.L. 1962. The knowledge of locusts among the Arabs in historical times. Proc.2nd.All India.Zool.Congr(Varanasi) 2. 17-26.
235. SINGH, G. 1962. Discussion on the regional aspects of desert locust control: Arabian Peninsula. Lectures, 2nd. Desert Locust Training Course. Asmara.(FAO). 80-85.
236. STOWER, W.J. 1962. Fluctuation of desert locust populations. Lectures, 2nd Desert Locust Training Course. Asmara(FAO). 13-19.
237. TEWFIK, M. 1944. The Desert Locust movements in southwest Arabia. Bull.Soc.Fouad.d'Entomol. 28. 1-29.
238. UVAROV, B.P. 1945. War against locusts. Geogr.Mag. 18(6). 219-227.
239. WALOFF, Z. 1960. Some notes on the desert locust and its occurrence at sea. Mar.Obs. 30(1). 40-45.
240. WALOFF, Z., CONNORS, J.M. 1964. The frequencies of infestations by the desert locust in different territories. FAO Plant Prot. Bull. 12(5). 105-113.



OTHER INSECTS

BOOKS

241. TALHOUK, A.M.S. 1958. The diseases and insect pests of crops found in the Eastern Province of Saudi Arabia. Dhahran, ARAMCO.
242. \_\_\_\_\_ 1969. Insects and mites injurious to crops in Middle East Countries. Mon. angew. Ent. 239pp.

ARTICLES

243. ABU-YAMAN, I.K. 1966. Insect Pests of Saudi Arabia. Zeits. angew. Ent. 58 (3). 266-278.
244. CHOPARD, L. 1965. Missione 1962 del Prof. Guiseppe Scortecci nell' Arabia meridionale: Orthoptera Gyllidae. Atti. Soc. Ital. Sci. Nat. 104(1). 20-22.
245. CHRISTOPHERS, S.R., CHAND, K. 1915. Notes on some anophelines from Arabia and Mesopotamia. Ind. J. Med. Res. 8(2). 180-200.
246. LEWIS, R.E. 1964. A collection of fleas from northern Saudi Arabia. J. Parasitology. 50(3). 313-318.
247. MATTINGLEY, P.F., KNIGHT, K.L. 1956. The mosquitoes of Arabia. Bull. Brit. Mus (Nat. Hist): Ent. 4(3). 89-141.
248. SHALABY, F. 1961. A preliminary survey of the Insect Fauna of Saudi Arabia. Bull. Soc. Ent. Egypte. 45. 211-228.

MARINE ZOOLOGY

BOOKS

249. KLANSCHITZ, W. 1964. Die Erforschung der Ichthyofauna des Roten Meeres. Lehre, Cramer. 430pp.
250. PALDI, R. 1969. Computer produced regional bibliography: Eastern Mediterranean, Suez Canal and Red Sea. Haifa, Sea Fisheries Res. St. 285pp.

ARTICLES

251. BLEGRAD, H., LOPPENTHIN, B. 1944. Fishes of the Iranian Gulf. Dan. Sci. Invest. Iran. Copenhagen 3. 5-247.

252. BOTAZZI, E.M., VIJAYAKRISHNAN, N.K., BALONI, M.C. 1967.  
On the occurrence of Acantharia in the Arabian Sea.  
Archiv.Oceanog.Limnol. 15(1), 63-67.
253. CHABANAUD, P. 1931. Sur divers poissons solciformes de la région  
Indo-Pacifique: la Mer Rouge. Bull.Soc.Zool.France,  
56(3), 291-305.
254. \_\_\_\_\_ 1942. Notules ichthyologiques; XVIII; XX; additions  
à la faune de la Mer Rouge. Bull. Mus. d'Hist.Nat. 2(14), 395-402.
255. \_\_\_\_\_ 1947. Notules ichthyologiques, additions à la  
faune de la Mer Rouge. Bull.Mus.d'Hist. Nat. 2(19), 156-157.
256. CROSSLAND, C. 1920. Some common Red Sea Fishes. Sudan Notes.Recs.  
3(2), 117-129.
257. FOWLER, H.W. 1926. The fishes of the Red Sea. Sudan Notes.Recs.  
9(2), 113-137.
258. HARTMANN, G. 1964. Zur Kenntris der Ostacoden des Roten Meers.  
Kider Meeresforschungen, 20. 35-127.
259. LLOYD, R.E. 1907. Contributions to the fauna of the Arabian Sea,  
with descriptions of new fishes and crustacea Recs.Ind.Mus.  
Calcutta. 1(4), 281-289.
260. MELVILLE, J.C., STANDON, R. 1901. The mollusca of the Persian  
Gulf, Gulf of Oman and Arabian Sea. Proc.Zool.Soc. 2, 327-460.
261. \_\_\_\_\_ 1903. Descriptions of 63 new  
gastropoda from the Persian Gulf, Gulf of Oman and North  
Arabian Sea, dredged by F.W.Townsend 1901-1903. Ann.Mag.Nat.  
Hist. 7(12), 289-324.
262. MELVILLE, J.C. 1928. The marine mollusca of the Persian Gulf,  
Gulf of Oman, and North Arabian Sea; addenda, corrigenda.  
Malacol.Soc.Proc. 15. 93-126.
263. NORMAN, J.R. 1939. Fishes from the Red Sea and western Indian  
Ocean. Sci.Rep.John Murray Exp. 7(1), 1-116.
264. TORTONESE, E. 1933. Intorno ad alcuni pesci del Mar Rosso.  
Boll.Mus.Zool.Anat.Comp.Univ.Torino. 43. 221-228.
265. \_\_\_\_\_ 1935. Pesci del Mar Rosso. Boll.Mus.Zool.Anat.  
Comp.Univ.Torino. 45. 153-218.

## 7. CLIMATE

### BIBLIOGRAPHIES

266. GLEESON, T.A. 1952. Bibliography of the Meteorology of the Mediterranean, Middle East and South Asia areas. Florida State Univ. Dept. Met. Sci. Rep. 1. 37pp.
267. GRIMES, A.E. 1960. Bibliography of Climatic Maps of the Arabian Peninsula. Washington D.C. U.S. Dept. Commerce, Weather Bureau. 10pp. (Mimeo).
268. \_\_\_\_\_ 1960. An annotated Bibliography on the Climate of the Arabian Peninsula. Washington D.C. U.S. Dept. Commerce, Weather Bureau. 39pp. (Mimeo).
269. RIGBY, M. (Ed). 1951. Bibliography on the climatology of the Middle East and Central Asia. Met. Abs. Biblio. (Boston Amer. Met. Soc.) 2(6). 453-480.

### CLIMATE (including agroclimatology)

BOOKS (see also 206, 211, 214,)

270. BROOKS, C.E.P. 1932. Le climat du Sahara et de l'Arabie. Paris, Soc. Edit. Geograph. Marit. Coloniales. 81pp.
271. DE BRICHAMBAUT, G.P., WALLEN, G.C. 1963. A study of agroclimatology in semi-arid and arid zones of the Near East. Wld. Met. Org. Tech. Note 56. 64pp.
272. DUBIET, J. 1959. Le Climat du Sahara. Alger. 312pp.
273. FLOHN, H. 1965. Contributions to a synoptic climatology of the Red Sea trench and adjacent territories. Bonn, Univ. Inst. Met. 33pp.
274. GREAT BRITAIN, MET. OFFICE. 1951. Weather in the Indian Ocean to lat. 30°S and long 93°E, including the Red Sea and Persian Gulf. London, HMSO. 2vols.
275. MELLEN, W.P. 1942. The Climate of Arabia, Iraq and Persia. Calif. Inst. Technol. 11pp.
276. U.S. ARMY AIR FORCE. 1945. Climate of Southwestern Asia. Washington, Rep. 410. 206pp.

ARTICLES (see also 219, 220, 228, 229, 230, 231, 232, 249)

277. BROOKS, C.E.P. 1955. Comparative data on the climate of the north Arabian desert. Amer.Doc.Inst. 4469. 134-136.
278. EL-FRANDY, M.G. 1950. Effects of topography and other factors on the movement of lows in the Middle East and Sudan. Bull.Amer. Met.Soc. 31(11).
279. FLOHN, H. 1965. Klimaprobleme am Roten Meer. Erdkunde, 19(3).179-191
280. \_\_\_\_\_ 1966. Warum ist die Sahara trocken? Zeitsch.F.Meteorol. 17(9-12). 316-320.
281. HERMAN, Y. 1968. Evidence of climatic changes in Red Sea cores. Means of Correlation of Quaternary Succession, (R.B.Morrison, H.E.Wright). VII INQUA Congr. 325-348.
282. RATHJENS, C., VON WISSMANN, H. 1935. Zum klima von Mittel-und Sud arabien. Ann.Hydrograph.Marit.Meteorol. 63. 364-369.
283. SOLIMAN, K.H. 1949. Air masses and quasi-stationary fronts in spring and summer over the Middle East. Proc.Math. Phys.Soc. Egypt. 15, 14-30.
284. WALLEN, G.C. 1967. Aridity definitions and their applicability. Geogr.Ann. 49A (2-4). 367-384.

#### METEOROLOGY

BOOKS (see also 211,214, 327, 328, 330, 331)

285. BANERJI, B.N. 1931. Meteorology of the Persian Gulf and Mekran. Calcutta. 65pp.
286. BERGES, R. 1962. Flux de vent sur le sud de la Mer Rouge aux neveux 300, 200, 150 mb. Paris, Met.Nat.Mono. 27. 35pp.
287. KNIGLER, H. 1912. Die Windverhaltnisse im Ostlichen Mittelmeer und Seinen Randgebiet. Berlin. 224pp.

#### ARTICLES

288. ANON. 1931. Floods in Arabia and the western desert of Egypt. December 1930. Met.Mag. 66. 64-65.
289. BAUER, G. 1935. Luftzirkulation und Niederschlagsverhaltnisse in Vorderasien. Gerlands But.z.Geophysik. 45. 381-548.

290. CAILLEUX, A. 1961. Sur une poussière transportée par le vent en Mer Rouge. Com.Rend.Acad.Sci.Paris. 252(6). 905-907.
291. EL-FANDY, M.G. 1952. Forecasting thunderstorms in the Red Sea. Bull.Amer.Met.Soc. 33(3). 332-338.
292. HOYE, P.F. 1967. The great Badanah flood. Aramco Wld. 18(4). 6-9.
293. KOTESWARAM, P. 1961. Cloud patterns in a tropical cyclone in the Arabian sea viewed by TIROS I meteorological satellite. Hawaii,Univ.Inst.Geophys.Sci.Rep. 2. 1-34.
294. KREETON, H. 1928. Local winds, Indian Ocean: 2. Red Sea Coast and Persian Gulf. Mar.Obs. 5(1). 52-53.
295. KUO, W.S. 1965. A study of weather over the Arabian Peninsula. Met.Bull. (Taipei) 11(2). 25-35.
296. MAZUMDAR, S. 1965. Some features of the synoptic meteorology of S.W.Asia. Wld.Met.Org.Tech.Note 69 117-140.
297. PEDGLEY, D.E. 1966. The Red Sea Convergence Zone.1.The horizontal pattern of winds. Weather 21 (10-11). 350-358.
298. \_\_\_\_\_ 1966. The Red Sea Convergence Zone. 2. Vertical structure. Weather 21 (10-11). 394-406.
299. SEMMELHACK, W. 1932. Ausserordentlich starker Regenfall in Djidda. Ann.Hydrograph.Marit.Meteorol. 60. 41-42.
300. \_\_\_\_\_ 1932. Kalter sandsturm in Djidda. Ann.Hydrograph.Marit.Meteorol. 60. 429-430.
301. \_\_\_\_\_ 1933. Wetterberichte aus arabischen Zeitungen. Ann.Hydrograph. Marit.Meteorol. 61, 315-319.



## 8. WATER RESOURCES

Despite being an extremely arid country, there have been few publications on the water resources of Saudi Arabia. Much of the knowledge on the hydrology of the country is in the form of consultancy reports which are difficult of access.

### WATER RESOURCES & HYDROLOGY

BOOK (see also 649)

302. KAUBLER, R. 1966. Das Wasser in dem ariden Gebieten der Alten Welt. Leipzig, Barth

ARTICLES (see also 284, 288, 292)

303. ABDUL-HAGGAG, Y. 1966. On the artesian water of Nejd, Saudi Arabia. Bull.Soc.Geogr.Egypte. 37. 57-65.
304. BRAMKAMP, R.A., BROWN, G.F. 1948. Ground water in the Nejd, Saudi Arabia. Trans.N.Yk.Acad.Sci. 2(10). 236-237.
305. BROWN, G.F. 1948. The geology and groundwater of Al Kharj district, Nejd, Saudi Arabia. Trans. N.Yk. Acad. Sci. 2(10). 370-375.
306. \_\_\_\_\_ 1955. Water development in Saudi Arabia. U.S.Geol. Survey. Open File Report.
307. BURDON, D.J., OTKUN, G. 1967. The groundwater potential of Karst aquifers in Saudi Arabia. Int.Assoc. Hydrol.Congr.Trans. Istanbul.
308. \_\_\_\_\_ 1968. Hydrogeological control of development in Saudi Arabia. Proc. 23rd Int. Geol.Congr. Prague. 12. 145-153.
309. CRESSEY, G.B. 1957. Water in the desert. Ann.Assoc.Amer.Geogr. 47 (2). 105-124.
310. NAIMI, A. 1965. The groundwater of north eastern Saudi Arabia. 5th Arab Petrol.Congr. Cairo 2. Paper 53 (B-1).
311. OTKUN, G. 1969. Outline of groundwater resources of Saudi Arabia. Int.Conf.Arid Lands in Changing Wld.Tucson.
312. ROY, J.A. 1961. Water supplies in the Middle East. Mil.Engineer. 53 (352). 126-128.



313. THATCHER, L., BURIN, M., BROWN, G.F. 1961. Dating desert groundwater. Science. 134 (3472) 105-106.
314. TWITCHELL, K.S. 1944. Water Resources of Saudi Arabia. Geogr. Rev. 34(3). 365-386.

#### DESALINATION

##### ARTICLES

315. BARRACONS, H.R. 1970. Desalination. 2nd Reg. Tech.Symp.Soc. Petrol. Eng. 9pp.
316. MACDONELL, I. 1970. Saudi Arabia plans for more fresh water. Arab Wld. 26. 14-15.

#### WATER UTILISATION

##### BOOKS

317. BROWN, G.F., LOUGH, C.F. 1963. Water Supply for Riyadh, Saudi Arabia. U.S.Geol. Survey. Open Files Rep. 44p.
318. CAPONERA, D.A. 1954. Water laws in Moslem Countries. Rome, FAO 201pp.

##### ARTICLES

319. CRESSEY, G.B. 1958. Qanats, Karez and Foggaras. Geogr. Rev. 48(1). 27-44.
320. EBERT, C.H.V. 1965. Water resources and land use in the Qatif Oasis of Saudi Arabia. Geogr. Rev. 55(4). 496-505.
321. JIABAJEE, N.A. 1957. Saudi Arabia - water supply of important towns. Pak.J.Sci. 9(5). 189-201.
322. MURR, K. 1969. Hydrologische Forschungs station in Saudi Arabia. Naturwissen. Rundsch. (Stuttgart). 22(8). 357.
323. SMITH, C.G. 1970. Water resources and irrigation development in the Middle East. Geography. 55(4). 407-425.
324. TROLL, C. 1963. Qanat, Bewässerung in der Alten und Neuen Welt. Mitt.Osterreich.Geogr.Geselts. 105(3). 313-330.

9. OCEANOGRAPHY

THE SEAS

BOOKS

325. DEUTSCHES HYDROGRAPHISCHES INSTITUT. 1964. Handbuch des Persischen Golfe. Hamburg. 402pp.
326. DUBACH, H.W. 1964. Summary of temperature-salinity characteristics of the Persian Gulf. U.S.Nat. Oceanographic Data Centre. G.14 223pp.
327. GREAT BRITAIN, ADMIRALTY HYDROGRAPHIC DEPARTMENT. 1942. Persian Gulf Pilot. London.
328. \_\_\_\_\_ 1955. Red Sea and Gulf of Aden Pilot. London.
329. LA VIOLETTE, P.E., FRONTENAC, T.R. 1967. Temperature, salinity and density of the World's seas - Arabian Sea, Persian Gulf and Red Seas. U.S. Naval Oceanographic Office. 105pp.
330. U.S. NAVY, HYDROGRAPHIC OFFICE, 1952. Sailing Directions for the Persian Gulf. U.S.Hydrographic Office. 158 244pp.
331. \_\_\_\_\_ 1952. Sailing Directions for the Red Sea and Gulf of Aden. U.S. Hydrographic Office. 157. 404pp.

ARTICLES

332. ANON. 1911. Aussergewöhnliche hohe luft - und wassertemperaturen im Roten Meer und in Persischen Golf. Ann. Hydrograph. Marit.Met. 39. 101-104.
- BARLOW, E.W. 1932. Currents in the Persian Gulf, northern portion of the Arabian Sea, Bay of Bengal
333. Part I. Summary of Previous Knowledge. Marine Obs. 9(99). 58-60.
334. Part II. The South-West Monsoon Period. Marine Obs. 9(105). 169-171.
335. Part III. The North-East Monsoon Period and General Summary. Marine Obs. 9(108). 223-227.
336. BIRCH, F.S., HALUNEN, A.J. 1967. Heat flow measurements in the Atlantic Ocean, Indian Ocean, Mediterranean Sea and Red Sea. J.Geophys. Res. 71(4). 583-586.

337. BREWER, P.J., RILEY, J.P., CULKIN, F. 1965. Chemical composition of the hot salty water at the bottom of the Red Sea. Nature. 206(4992). 1545.
338. CHARNOCK, H. 1964. Anomalous bottom water in the Red Sea. Nature. 203(4944). 501.
339. DUING, W., SCHWILL, W.D. 1967. Ausbreitung und Weinischung des salzreichen Wassers aus dem Roten Meer und aus den Persischen Golf. "Meteor" Forschungsergebnisse. A.3.44-66.
340. KRAUSE, G., ZIEGENBEIN, J. 1966. Die struktur des liessen salzreichen Trefenwasser in zentralen Roten Meer. "Meteor" Forschungsergebnisse. A.1. 53-58.
341. KVASOV, D.D. 1969. Limnological hypothesis of the origin of hot brines in the Red Sea. Nature. 221(5182).850-851.
342. MUNNDS, R.G. 1967. Hydrographic observations on the Red Sea Brines. Nature. 214. 1215-1217.
343. NEUMANN, J. 1952. Evaporation from the Red Sea. Israel Explor.J. 2(3). 153-162.
344. NEUMANN, A.C., MCGILL, D.A. 1961. Circulation of the Red Sea in early summer. Deep Sea Res. 8(3-4). 223-235.
345. NEUMANN, A.C., CHAVE, K. 1965. Connate origin proposed for hot salty water from a Red Sea Basin. Nature. 206(4991).1346.
346. PRIVETT, D.N. 1959. Monthly charts of evaporation from the North Indian Ocean, including the Red Sea and the Persian Gulf. Q.J.Roy.Met.Soc. 85(336). 424-428.
347. PUGH, D.T. 1967. Origin of hot brines in the Red Sea. Nature. 214(5092). 1003-1004.
348. SCHOTT, G. 1908. Der salzgehalt des Persischen Golfes und der angrenzenden Gewasser. Ann.Hydrograph. Marit.Met. 36. 296-299.
349. \_\_\_\_\_ 1918. Oceanographie und Klimatologie des Persischen Golfes und des Golfes von Oman. Ann. Hydrograph.Marit.Met. 46. 1-46.
350. SUGDEN, W. 1963. Hydrology of the Persian Gulf and its significance in respect to evaporate deposition. Amer. J.Sci. 261(8). 741-755.
351. SWALLOW, J.C., CREASE, J. 1965. Hot salty water at the bottom of the Red Sea. Nature. 205(4967) 165.

353. TAXIEFF, H. 1952. Une récente campagne oceanographique dans la Mer Rouge. Bull.Soc.Belge Géol. 61(1). 84-90.
353. THOMPSON, E.F. 1939. The general hydrography of the Red Sea. Sci.Rep.John Murray Exped. 2. 83-103.
354. \_\_\_\_\_ 1939. Chemical and Physical investigations: the exchange of water between the Red Sea and the Gulf of Aden over the Sill. Sci.Rep.John Murray Exped. 2. 105-119.
355. VAN RIEL, P.M. 1927. Emige Ozeanographischen Beobachtungen im Roten Meer, Golf von Aden und Indischen Ocean. Ann. Hydrograph. Marit.Met. 60(10).
356. ZIEGENBEIN, J. 1966. Trübungsmessungen im Persischen Golf und im Golf von Oman. "Meteor" Forschungsergebnisse. A.1. 59-79.

#### THE SEA FLOORS

##### BOOK

357. DEGENS, E.T., ROSS, D.A. (eds.) 1969. Hot Brines and Recent Heavy Metal Deposits in the Red Sea Area. New York, Springer. 600pp.

##### ARTICLES (see also 337, 341, 345, 347, 351)

358. ALLAN, T.D. 1966. A bathymetric chart of the Red Sea. Int. Hydrograph. Rev. 43(1). 33-36.
359. ALLAN, T.D., CHARNOCK, H., MORELLI, E. 1965. Magnetic, Gravity and Depth Surveys in the Mediterranean and Red Seas. Nature 204(4965). 1245-1248.
360. ANON. 1962. Geophysics and oceanography in the Indian Ocean and Persian Gulf. Nature 194(4832). 919.
361. \_\_\_\_\_ 1966. Chemistry of the Red Sea floor. New.Sci. 30(491).107.
362. COUSTEAU, J.Y., NESTCROFF, W., TAZIEFF, H. 1967. Coupes transversales de la Mer Rouge. Com.Rends. 19th. Congr. Ecol.Int. 4.
363. DELEVAUX, M.H., DO, B.R., BROWN, G.F. 1967. Preliminary lead isotope investigations of brine from the Red Sea, galena from the kingdom of Saudi Arabia and galena from the United Arab Republic. Earth.Plan.Sci.Letts. (Amsterdam). 3(2). 139-144.
364. FRIEDMAN, G.M. 1964. Recent carbonate sediments from the Gulf of Aqaba, Red Sea. Geol.Soc.Amer.Spec.Paper 82. 67-68.

365. FRIEDMAN, G.M. 1968. Geology and Geochemistry of reefs, carbonate sediments and waters, Gulf of Aqaba, Red Sea. J.Sed.Petr. 38(3). 895-919.
366. HUNT, J.M., HAYS, E.L., DEGANS, E.T., ROSS, D.A. 1967. Red Sea: a detailed survey of hot brine areas. Science 156, (3774) 514-516.
367. KNOTT, S.T., BUNCE, E.T., CHASE, R.L. 1965. Red Sea seismic reflection studies. Symp. Wld. Rift Syst. Ottawa (66-14). 33-61.
368. MANHEIM, F.T. 1966. Geochemistry of recent iron deposits in the Red Sea. Geol.Soc.Amer.Spec.Paper 87. 101-102.
369. MERGNER, H. 1967. Über den Hydroindenbewuchs einiger Korallenriffe des Roten Meeres. Zeitsch.F.Morph. Okolog.Tiere. 60(1-3). 35-104.
370. MILLER, A.R. 1966. Hot brines and recent deposits in deeps of the Red Sea. Geochim.Cosmochim.Acta. 30. 341-359.
371. PILKEY, O.H. 1964. Carbonate mineralogy of the Persian Gulf. Geol.Soc.Amer.Program. 1964 Meeting. 150-151.
372. PILKEY, O.H., NOBLE, D. 1966. Carbonate and clay mineralogy of the Persian Gulf. Deep Sea Res. 13(1). 1-16.
373. SAID, R. 1951. Organic origin of some calcareous sediments from the Red Sea. Science 113(2940). 517-518.
374. SUJKOWSKI, Z. 1932. The influence of the desert on the Red Sea deposits. Geol.Mag. 69(7). 311-314.
375. TRAMONTINI, C., DAVIES, D. 1969. A seismic refraction survey in the Red Sea. Geophys.J.Roy.Astron.Soc. 17(2). 225-241.



## 10. EXPLORATION AND TRAVEL

### EXPLORATION AND TRAVEL BEFORE 1900

In recent years, many of the older and more important travel records have been reprinted; a select list of these now easily accessible works follows.

#### BOOKS

376. BLUNT, LADY A. 1968. A Pilgrimage to Nejd. London 2 vols. Reprint of 1881 edition.
377. BURCKHARDT, J.L. 1968. Travels in Arabia. London, Cass. 478pp. Reprint of 1829 edition.
378. BURTON, R.F. 1907. Personal narrative of a pilgrimage to Al-Madinah and Meccah. London. 2 vols.
379. DI VARTHEMA, L. 1965. The travels of Ludovico di Varlhema in Egypt, Syria, Arabia Deserta and Arabia Felix, in Persia, India and Ethiopia. New York, Burt Franklin, 321pp. Reprint of 1863 edition, translated by J.W.Jones.
380. DOUGHTY, C.M. 1953. Wanderings in Arabia. London, Duckworth. 607pp.
381. \_\_\_\_\_ 1964. Travels in Arabia Deserta. London. 2 vols.
382. FOSTER, W. 1905. The Journal of J.Jourdain, 1608-1617, describing Experiences in Arabia, India and the Malay Archipelago. Cambridge, Hakluyt Soc. 394pp.
383. GUARMANI, C. 1938. Northern Najd: A Journey from Jerusalem to Anaiza in Qasim. (trans. by Lady Capel-Cure). London, Argonaut Press. 134pp.
384. HANSEN, T. 1964. Arabia Felix: the Danish Expedition to Arabia of 1761-1767. (trans. by J. & K. McFarlane) New York, Harper and Row.
385. HILPRECHT, H.V.(Ed). 1903. Explorations in Bible lands in the 19th Century. Philadelphia, Lippincott. 752pp.
386. HOGARTH, D.G. 1905. The Penetration of Arabia: a record of the development of western knowledge concerning the Arabian Peninsula. London, Alston Rivers. 360pp.
387. KIERNAN, R.H. 1937. The Unveiling of Arabia. London, Harrap. 359pp.

388. LEITE, J.G. (Ed). 1940. Commentarios do Grande Capitas Rui Freio de Andraba. Lisbon, Min. da Colonias. 376pp.
389. NIEBUHR, C. 1969. Travels through Arabia and other countries in the East. (trans. by R.Heron). Beirut. 2 vols. Reprint of 1792 edition
390. PIRENNE, J. 1958. À la Découverte de l'Arabie. Paris, Amoit-Durmont. 328p.
391. VON WISSMAN, H. 1965. Arabien. Stuttgart, Henry Goverts. 345pp.
392. WELLSTED, J.R. 1968. Travels in Arabia. London. 2 vols. Reprint of 1838, 1840 edition.

#### ARTICLES

393. AMER, M. 1932. An Egyptian explorer in Arabia in the 19th Century. Bull.Roy.Soc.Geogr. Egypte. 18. 29-45.
394. BECKINGHAM, C.F. 1949. Some early travellers in Arabia. J.Roy. Asiatic Soc. 3-4. 155-176.
395. ————. 1951. Dutch travellers in Arabia in the 17th Century. Pt.I. J.Roy.Asiatic Soc. 64-81.
396. ————. 1951. Dutch travellers in Arabia in the 17th Century Pt.II. J.Roy.Asiatic Soc. 170-181.
397. BRITTAIN, M. 1947. Doughty's Mirror of Arabia. Moslem Wld. 37(1). 42-48.
398. CARRUTHERS, D. 1922. Captain Shakespear's last Journey. Pt.I. Geogr.J. 59(5). 321-334.
399. ————. 1922. Captain Shakespear's last Journey. Pt.II. Geogr.J. 59(6). 401-418.
400. CHABANIER, E. 1936. Connaissance de la Mer Rouge. La Géographie. 65(2). 85.
401. EDWARDS, F.M. 1957. George Forster Sadleir (1789-1859), first European to cross Arabia. J.Roy.Cent.Asian Soc. 44(1). 38-49.
402. HELFRITZ, H. 1935. The first crossing of Arabia. Geogr. Rev. 25(3). 395-407.
403. HOGARTH, D.G. 1908. Problems of exploration - Western Asia. Geogr.J. 32(6). 549-570.
404. RAUNKIAER, B. 1912. The expedition of the Danish Geographical Society to Arabia. Bull.Amer.Geogr.Soc 44(9) 657-660.

405. TRAUTZ, M. 1930. G.A.Wallin and the penetration of Arabia. Geogr.J. 76(3). 248-252.
406. \_\_\_\_\_ 1932. G.A.Wallin: a forgotten explorer of Arabia. J.Roy.Cent.Asian Soc. 19(1) 131-150.
407. VAN DER MEULEN, D. 1941. De exploratie van Zuid-Arabie. Ned-Indusche geogr.midedeelingen. 1(3), 52-58.
408. \_\_\_\_\_ 1967. De exploratie van Arabie. Geogr. Tijds. 1(2). 110-117.

# TWENTIETH CENTURY TRAVELS

BOOKS (see also 1063)

409. ASAD, M. 1954. The Road to Mecca. London, Reinhardt, 400pp.
410. BELL, G.L. 1927. The letters of Gertrude Lowthian Bell. New York, Boni & Liveright. 2 vols.
411. BELLOTTI, F. 1961. La Citadelle d'Allah. Paris, del Duca. 276pp.
412. BISCH, J. 1962. Behind the Veil of Arabia. London, Allen & Unwin. 148pp.
413. CARRUTHERS, D. 1935. Arabian Adventure: to the Great Nafud in search of the Oryx. London, Witherby.
414. CASHEL, W. 1954. Entdeckungen im Arabien. Arbeits. Forsch-Landes Nordrhein-Westfalen, Koln. 30. 32pp.
415. CHEESMAN, R.E. 1926. In Unknown Arabia. London, Macmillan. 447pp.
416. CROSSLAND, C. 1913. Desert and Water-Gardens of the Red Sea; being an account of the natives and the shore formations of the coast. Cambridge, Univ.Press. 158pp.
417. DE GAURY, G. 1950. Arabian Journey, and other Desert Travels. London, Harrap. 190pp.
418. \_\_\_\_\_ 1946. Arabia Phoenix. London, Harrap. 170pp.
419. FOWLE, T.C. 1916. Travels in the Middle East. London, Smith & Elder. 281pp.
420. HAMILTON, A. 1955. The Uneven Road. London, Murray. 335pp.
421. HARRISON, P.W. 1925. The Arab at Home. London, Hutchinson. 345pp.

422. HARRISON, P.W. 1940. Doctor in Arabia. New York & London, Hale. 285pp.
423. MALMIGNATTI, THE COUNTESS 1925. Through inner deserts to Medina. London, Philip Allan. 188pp.
424. MUSIL, A. 1926. The Northern Hejaz: a topographical itinerary. New York, Amer.Geogr.Soc.Oriental Expl. Studies 1. 374pp.
425. \_\_\_\_\_ 1927. Arabia Deserta. New York, Amer.Geogr.Soc.Oriental Expl. Studies 2. 631pp.
426. \_\_\_\_\_ 1928. The Northern Nejd: a topographical itinerary. New York, Amer.Geogr. Soc. Oriental Expl. Studies 5. 368pp.
427. \_\_\_\_\_ 1930. In the Arabian Desert. New York, Liveright. 339pp.
428. PHILBY, H.St.J.B. 1922. The Heart of Arabia. London, Constable. 2 vols.
429. \_\_\_\_\_ 1928. Arabia of the Wahabis. London, Constable. 422pp.
430. \_\_\_\_\_ 1933. The Empty Quarter. London, Constable. 433pp.
431. \_\_\_\_\_ 1939. Sheba's Daughters. London, Methuen. 485pp.
432. \_\_\_\_\_ 1952. Arabian Highlands. Ithaca, Cornell Univ. Press. 771pp.
433. \_\_\_\_\_ 1957. The Land of Midian. London, Bonn. 286pp.
434. RAUNKIAER, B. 1969. Through Wahabiland on Camel-Back. London, Routledge & Kegan Paul. New English translation of work first published in 1913.
435. THESIGER, W. 1959. Arabian Sands. London, Longmans. 326pp.
436. THOMAS, B. 1931. Alarms and Excursions in Arabia. London, Allen & Unwin 296pp.
437. \_\_\_\_\_ 1932. Arabia Felix: across the Empty Quarter of Arabia. London, Cape. 398pp.
438. TOY, B. 1957. A fool strikes Oil; across Saudi Arabia. London, Murray. 207pp.
439. \_\_\_\_\_ 1968. The Highway of the Three Kings. London, Murray. 182pp.
440. VON WEISL, W. 1927. Zwischen dem Teufel und dem Roten Meer; Fahrten und Arbenteuer in West-arabien. Leipzig, Brockhams. 318pp.
441. WALFORD, G.F. 1963. Arabian locust hunter. London, Hale. 176pp.

442. WIESE, E. 1968. 10,000 miles through Arabia. London, Hale.
443. ZWEMER, S.M. & A.E. 1911. Zigzag journeys in camel country; Arabia in picture and story. London, Revell. 126pp.

# ARTICLES

444. ABERCROMBIE, T.J. 1966. Saudi Arabia: Beyond the Sands of Mecca. Nat.Geogr.Mag. 129(1), 1-53.
445. ANON. 1935. Round the coasts of Arabia in a dhow. Blackwoods Mag. 238. 35-51.
446. ARNELL, J.C. 1964. A short trip to the Arabian Peninsula. Can.Geogr. J. 69(1). 20-29.
447. BARTHOUX, J. 1925. Le pays du Midian. Congrès. Int.Geogr. Caire. 3. 191-199.
448. BAWDEN, E. 1945. An Arabian journey. Geogr. Mag. 18(1). 16-22.
449. BELL, G.L. 1914. A Journey in Northern Arabia. Geogr.J. 44(1). 76-77.
450. BENEYTON, A. 1913. Trois années en Arabie. La Géographie. 28(6). 495-497.
451. BUTLER, S.S. 1909. Baghdad to Damascus via El Jauf, Northern Arabia. Geogr.J. 33(5). 517-535.
452. BURCHARDT, H. 1906. Ost Arabien von Basra bis Maskat. Zeitsch.Ges.Erdkunds. 305-322.
453. CARRUTHERS, D. 1910. A Journey in North-Western Arabia. Geogr.J. 35(3). 225-248.
454. ———— 1928. Musil's Arabian Journeys. Geogr.J. 72(3). 278-280.
455. CASANOVA, P. 1920. Une mine d'or au Hedjaz. Congres.Des.Soc. Savante Strasbourg. 35. 69-125.
456. CHEESEMAM, R.E. 1925. The deserts of Jafura and Jabrin. Geogr.J. 65(2). 112-141.
457. CRANE, C.R. 1928. Visit to the Red Sea littoral and the Yemen. J.Cent.Asian Soc. 15(1). 48-67.
458. DAME, L.P. 1933. From Bahrein to Taif. Moslem Wld. 23(2). 164-178.



459. DUNCAN, A. 1970. Saudi adventure. Arab Wld. 26. 3-10.
460. FAIRCHILD, D.G. 1904. Travels in Arabia and along the Persian Gulf. Nat.Geogr.Mag. 15(4). 139-151.
461. HARRISON, A.M. 1942. Desert Diary. Neglected Arabia. 5-23.
462. HOGARTH, D.G. 1920. War and Discovery in Arabia. Geogr.J. 55(4). 422-439.
463. \_\_\_\_\_ 1921. Some recent Arabian explorations. Geogr.Rev. 11(3). 321-337.
464. MYLREA, C.S.G. 1923. The heart of Arabia. Moslem Wld. 13 (2). 133-138.
465. PEUCKER, K. 1910. Musil's explorations in northern Arabia, 1908-1909. Geogr.J. 35(5). 579-581.
466. PHILBY, H.St.J.B. 1920. Across Arabia: from the Persian Gulf to the Red Sea. Geogr.J. 56(4). 446-468.
467. \_\_\_\_\_ 1920. Southern Najd. Geogr.J. 55(3). 161-191.
468. \_\_\_\_\_ 1933. Rub-al-Khali. Geogr.J. 81(1). 1-26.
469. \_\_\_\_\_ 1938. Land of Sheba. Pt.I. Geogr.J. 92(1). 1-21.
470. \_\_\_\_\_ 1938. Land of Sheba. Pt.II. Geogr.J. 92(1). 107-132.
471. \_\_\_\_\_ 1949. Two notes from Central Arabia. Geogr.J. 113. 86-93.
474. \_\_\_\_\_ 1955. The Land of Midian. Middle East.J. 9(2). 117-129.
473. RATHJENS, C. 1929. Ergebnisse einer Reise nach Arabien. Forschungen und Fortschritte 5(14). 163-164.
474. RENDEL, G. 1938. Across Saudi Arabia. Geogr.Mag. 6(2). 163-180.
475. RUTTER, E. 1932. A Journey to Hail. Geogr.J. 80(4). 325-331.
476. \_\_\_\_\_ 1931. The Hejaz. Geogr.J. 77(2). 97-109.
477. RYCKMANS, G. 1952. En Arabie Séoudite. Rev.Gen.Belge. 87. 40-51.
478. SAUER, G. 1969. Alois Musil's Reisen nach Arabien im ersten Weltkrieg. Archiv. Orientalni (Prague). 37. 243-263.

479. THESIGER, W. 1947. A new journey in southern Arabia. Geogr.J. 108(4-6). 129-145.
480. \_\_\_\_\_ 1947. A journey through the Tihama, the Asir and the Hijaz mountains. Geogr.J. 110(4-6). 188-200.
481. \_\_\_\_\_ 1948. Across the Empty Quarter. Geogr.J. 111(1-3). 1-21.
482. \_\_\_\_\_ 1949. Further journey across the Empty Quarter. Geogr.J. 113. 21-46.
483. THOMAS, B. 1929. The south-eastern borderlands of Rub'al Khali. Geogr.J. 73(3). 193-215.
484. \_\_\_\_\_ 1931. Across the Rub'al Khali. J.Roy.Cent.Asian Soc. 18(4). 489-504.
485. \_\_\_\_\_ 1931. A journey into the Rub'al Khali, the southern Arabian desert. Geogr.J. 77(1). 1-38.
486. \_\_\_\_\_ 1931. A camel journey across the Rub'al Khali. Geogr.J. 78(3). 209-242.
487. VESEY-FITZGERALD, D.F. 1951. From Hasa to Oman by Car. Geogr.Rev. 41(4). 544-560.
488. VICKERY, C.E. 1922. A journey in Arabia. Blackwoods Mag. 211. 166-177.
489. WEISS, L. 1931. Mountains of Arabia. Living Age. 341. 149-154.
490. WILLIAMS, M.O. 1945. Guest in Saudi Arabia. Nat.Geogr.Mag. 88(4). 463-487.
491. WOOD, J.B. 1923. A visit to the three Arab kingdoms. Nat.Geogr.Mag. 43(5). 535-563.
492. WRIGHT, J.K. 1927. Northern Arabia: the Explorations of Alois Musil. Geogr.Rev. 17(2). 177-206.

### CARTOGRAPHY AND PLACE NAMES

Of particular importance to any student of the Arabian Peninsula are Lorimer's Gazetteer and the List of Official Standard names approved by the U.S. Board on Geographic Names.

#### BOOKS

493. GENERAL STAFF, INDIA. 1915. Routes in India. Simla, Govt. Press. 814pp.
494. KAMMERER, A. 1949-1952. La Mer Rouge, L'Abyssinie et l'Arabie aux XVI<sup>e</sup> et XVII<sup>e</sup> Siecles et la Cartographie des Portulans du Monde Oriental. Cairo. Mem.Soc.Roy. Geogr. Egypte. 17. 3. vols.
495. LORIMER, J.G. 1970. Gazetteer of the Persian Gulf, Oman and Central Arabia. Dublin, Irish Univ.Press. 5 vols. New edition of works first published 1908-1915.
496. U.S.BOARD ON GEOGRAPHIC NAMES, 1961. Arabian Peninsula, official standard names approved by the Board. Washington D.C. Office Geog.Dept.Int. 458pp.

#### ARTICLES

497. BLACHIRE, R. 1951. Note sur le nom géographique ar-Rab'al-hali. J.Asiatique. 239(2). 209-210.
498. FARIS, N.A. 1957. Derivation and orthography of al-Rab'al-Khali. J.Roy.Cent.Asian Soc. 44(1). 28-30.
499. FRASER HUNTER, F. 1919. Reminiscences of the map of Arabia and the Persian Gulf. Geogr.J. 53(4). 355-363.
500. HOPKINS, I.W.J. 1967. The maps of Carsten Niebuhr: 200 years after. Cartographic J. 4(2). 115-118.
501. KOEMAN, C. 1967. An experiment for a photomap of Saudi Arabia. ITC Aerial Survey. Ser.A. 38.
502. LEATHERDALE, J. 1970. The geodetic survey of Saudi Arabia. Hunting Group Review. 72. 4-10.
503. MAY, F.M.V. 1935. The Arabian Survey Flight. J.Roy. United Services Inst. 80. 769-770.
504. OFTELIE, T.C. 1954. Second order survey in Saudi Arabia. Military Eng. 46. 173-176.

505. TIBBETTS, G.R. 1954. Early western cartography and the Arabian peninsula. Malayan J.Trop.Geogr. 3. 15-26.
506. VON WISSMAN, H., SERGEANT, R.B. 1958. A new map of Southern Arabia. Geogr.J. 124(2). 163-171.

### PERSONAL REMINISCENCES

The books listed in this section contain interesting personal accounts of impressions and activities in Saudi Arabia. They are of varying value to the student of the country.

#### BOOKS

507. BILAINKIN, G. 1950. Cairo to Riyadh, Diary. London, Williams & Norgate. 233pp.
508. BROCK, R. 1952. Blood, Oil and Sand. Cleveland, World Publishing Corp. 256pp.
509. BUTLER, G.C. 1960. Kings and Camels. New York, Devin Adair. 206pp.
510. CLAYTON, G.F. 1969. An Arabian Diary. Berkeley, Los Angeles. Univ. Calif. Press 379pp.
511. HAIDAR, PRINCESS M. 1945. Arabesque. London, Hutchinson.
512. PHILBY, H. St.J.B. 1948. Arabian Days; an autobiography. London, Hale. 336pp.
513. \_\_\_\_\_ 1957. Forty Years in the Wilderness. London, Benn. 272pp.
514. RIHANI, A.F. 1930. Around the Coasts of Arabia. London, Constable. 304pp.
515. SCHAFFER, R. 1952. Tents and Towers of Arabia. New York, Dodd & Mead.
516. SEABROOK, W.B. 1928. Adventures in Arabia. London, Harrap. 314pp.
517. SLAUGH, F.S. 1968. Arabian Fires. New York, Carlton. 306pp.
518. ZWEMER, S.M., CANTINE, J. 1938. The Golden Milestone; Reminiscences of Pioneer Days 50 years ago in Arabia. New York, Fleming Revell. 157pp.

11. THE EVOLUTION OF THE KINGDOM OF SAUDI ARABIA

ARCHAEOLOGY AND EARLY HISTORY

BOOKS (see also 986, 987, 988, 1062, 1068)

519. ANATI, E. 1969. Rock art in Central Arabia. Louvain, Univ. Louvain, Instit. Orientattste. 2 vols.
520. BRAUMLICH, E. 1925. The Well in Ancient Arabia. Leipzig, Vetlag der Asia Minor. 159pp.
521. ERSKINE, S.B. 1925. The Vanished Cities of Arabia. London, Hutchinson. 324pp.
522. FIELD, H. 1956, 1961. Ancient and Modern Man in Southwestern Asia. Univ.Miami Press, Coral Gables. 2vols.
523. \_\_\_\_\_ 1960. North Arabian Desert Archaeological Survey, 1925-1950. Peabody. Mus. Papers. 45(2). 224pp.
524. \_\_\_\_\_ 1970. Rock Drawings from Saudi Arabia. Occ.Papers. Field Res.Proj. 11. Coconut Grove. 19pp.
525. JAUSSEN, A.J., SAVIGNAC, R.P. 1909. Mission Archéologique en Arabie. Paris, Leroux.
526. LIPPENS, P. 1956. Expedition en Arabie Centrale. Paris, Lib. d'Amér. et d'Orient Adrien-Maisonneuve 215pp.
527. MUSIL, A. 1907-1908. Arabia Petraea. Vienna, Holder. 4 vols.
528. RYCKMANS, J. 1947. L'Arabie chez les auteurs classiques. Louvain, Biblio. de Muséum.
529. VON WISSMAN, H. 1963. Arabien nach Prolemans. Mainz, Ak.d. Wiss. Lit.
530. WINNETT, F.W., REED, W.L. 1970. Ancient Records from North Arabia. Toronto, Univ. Press.

ARTICLES (see also 169, 170, 727, 1008, 1012, 1079)

531. ANATI, E. 1970. The Rock engravings in Dahthami Wells in Central Arabia. Bull.Cent.Camuno Studi Preistorici. 5. 99-158.
532. BRAUMLICH, E. 1925. The Well in Ancient Arabia. Islamica. 1.
533. CLEMOV, F.G. 1913. A visit to the rock tombs of Medain-l-Salih and the southern section of the Hejaz railway. Geogr.J. 42 (6). 534-540.



534. CONTI ROSSINI, C. 1921. Expéditions et possessions des Habasat en Arabie. J.Asiatique. Ser.11. 18(1). 5-36.
535. CORNWALL, P.B. 1946. Ancient Arabia: explorations in Hasa, 1940-1941. Geogr.J. 107(1-2). 28-50.
536. CROWE, P. 1964. A trip to Madain Salih. J.Roy.Cent.Asian.S. 51 (3-4). 291-300.
537. DE GAURY, G. 1945. A Burial Ground in Al-Kharj. Geogr.J. 106(3-4). 152-153.
538. EICKELMAN, D.F. 1967. Musaylima: an approach to the social anthropology of Seventh Century Arabia. J.Econ.Soc.Hist. Orient. 10(1). 17-59.
539. FIELD, H. 1929. Early Man in North Arabia. Nat.Hist. 1. 33-44.
540. \_\_\_\_\_ 1951. Reconnaissance in Saudi Arabia. J.Roy.Cent. Asian Soc. 37(2-3). 185-197.
541. \_\_\_\_\_ 1955. New Stone Age sites in the Arabian Peninsula. Man. 55(145). 136-138.
542. \_\_\_\_\_ 1958. Stone implements from the Rub'al Khali, Southern Arabia. Man. 58(121). 93-94.
543. \_\_\_\_\_ 1960. Carbon 14 Date for a 'Neolithic' Site in the Rub' al Khali. Man. 60 (214). 172.
544. \_\_\_\_\_ 1960. Stone implements from the Rub' al Khali, Southern Arabia. Man. 60 (30). 25-26.
545. \_\_\_\_\_ 1961. Palaeolithic implements from Rub'al Khali. Man. 61 (9). 22.
546. \_\_\_\_\_ 1962. Pictographs from Khashm Dalgan, Saudi Arabia. Man. 62 (144). 88.
547. \_\_\_\_\_ 1968. Map of North Arabian Desert Archaeological Survey. Spec.Libraries Assoc. Geogr.2. Map. Div. Bull. 72
548. GREENAWAY, R.D. 1956. Arrangements of stone blades in Yorkshire and Arabia. Man. 56(168). 147.
549. HAMILTON, R.A.B. 1942. Six weeks in Shabura. Geogr.J. 100(3). 107-123.
550. HOWE, B. 1950. Two groups of Rock Engravings from the Hijaz. J.Near East Studies. 9(1). 8.
551. HUZAYYIN, S.A. 1937-1938. The place of the Sahara-Arabian area in the palaeolithic culture sequence of the Old World. Bull.Inst. d'Egypte. 20. 263-295.

552. HUZAYYIN, S.A. 1942. Arabia and the Far East; their commercial and cultural relations in Greco-Roman and Irano-Arabian times. Soc.Roy.de Geogr. d'Egypte.
553. PARR, P.J., HARDING, G.L., DAYTON, J.E. 1970. Preliminary Survey in N.W.Arabia, 1968. Bull.Inst.Archaeol. 8-9. 193-242.
554. PHILBY, H. St.J. 1949. South Arabian Chronology. La Museon 62. 229.
555. REICH, S. 1936. Notes archæologiques sur Medine. Rev.des Etudes Islamiques. 10(2). 105-112.
556. SMITH, P.E.L., MARANJIAN, G. 1962. Two neolithic collections from Saudi Arabia. Man. 62(17). 21.
557. RYCKMANS, G. 1953. Caccia alle epigrafi nell Arabia Saudita. Ecclesia. 12(2). 68-72.
558. ——— 1954. Through Sheba's Kingdom. Geogr.Mag. 27(3). 129-137.
559. STARK, F. 1936. Notes on the south Arabian incense route, Islamic Culture. 10(2). 193-212.
560. THOMAS, B. 1933. Ubar the Atlantis of the sands of Rub'al-Khali. J.Roy.Cent.Asian.Soc. 20(2). 259-265.
561. ZEUNER, F.E. 1954. Neolithic sites from the Rub'al-Khali, southern Arabia. Man. 54(209). 133-136.

## HISTORY

### BOOKS

562. BENOIST-MÉCHIN, J. 1957. Arabian Destiny. London, Eleh. 298pp.
563. BRUNNOW, R.E., VON DOMASZEWSKI, A. 1904-1905. Die Provincia Arabia Strasbourg, Trubner. 2vols.
564. FOSTER, Sir W. (Ed). 1949. The Red Sea and Adjacent Countries at the Close of the Seventeenth Century. London, Hakluyt. 192pp.
565. GUIDI, I. 1921. L'Arabie Antéislamique. Paris, Geuthner. 88pp.
566. HAZARD, H.W. 1951. An Atlas of Islamic History. Princeton (Univ.Press), Oriental Studies 12. 49pp.
567. HITTI, P.K. 1948. The Arabs: a short History. London, Macmillan. 207pp.

568. HITTI, P.K. 1969. Makers of Arab History. London, Macmillan. 258pp.
569. \_\_\_\_\_ 1970. History of the Arabs. London, Macmillan. 822pp.
570. HOGARTH, D.G. 1922. Arabia. Oxford, Clarendon. 140pp.
571. HOTTINGER, A. 1963. The Arabs. London, Thomas and Hudson. 344pp.
572. ISSAWI, C. (Ed). 1966. The Economic History of the Middle East, 1800-1914. Chicago Univ.Press.543pp.
573. JACOB, H.F. 1923. Kings of Arabia. London, Mills & Boon.294pp.
574. KAMMERER, A. 1929. La Mer Rouge, l'Abyssinie et l'Arabie depuis l'Antiquité. Cairo, Mem.Soc. Roy. Geogr. d'Egypte. 15. (2 vols)
575. KENNEDY, P. 1966. Arabian Society at the time of Muhummad. Calcutta, Thacker & Spink. 278pp. (2nd Edition).
576. LICHTENSTADTER, I. 1935. Women in the Aiyâm al-Arab: a study of female life during warfare in pre-Islamic Arabia. London, Roy.Asian Soc. 90pp.
577. O'LEARY, De L. 1927. Arabia before Muhammad. London, Kegan Paul, French & Trubner 234pp.
578. PHILBY, H. St.J.B. 1947. The Background of Islam; being a sketch of Arabian history in pre-Islamic times. Alexandria, Whitehead Morris. 152pp.
579. \_\_\_\_\_ 1968. Saudi Arabia. London, Benn. 393pp. (New impression)
580. SERGEANT, R.B. 1963. The Portuguese off the South Arabian Coast. London, OUP. 234pp.
581. WINDER, R.B.1965. Saudi Arabia in the Nineteenth Century. London, Macmillan. 283pp.

#### ARTICLES

582. ABDUL, B.M. 1950. The early Wahabis and the Sharifs of Makkeh. J.Pak.Hist.Soc. 1.
583. AMER, M. 1925. The ancient trans-peninsular routes of Arabia. Congr. Int.Geogr.Cairo. 5. 126-140.

584. BACHATLY, C. 1943. Document sur un pèlerinage à la Mecque au début du X<sup>e</sup> siècle de l'hégire. Bull.Soc.Geogr. Egypte. 21. 23-27.
585. BECKINGHAM, C.F. 1947-1953. The Red Sea in the sixteenth century. J.Man.Univ.Egypt. & Orient. Soc. 25. 28-36.
586. KAMMERER, A. 1934. Les Portugais dans la Mer Rouge et en Abyssinie. Rév. d'Hist.Diplomat. 48.
587. LAMMENS, R.P.H. 1911. La République Marchande de la Mecque en l'An 600 de Notre Ere Bull.Inst.Egypt. Caire. 5(4).23-54.
588. MANDEVILLE, J.E. 1970. The Ottoman province of Al-Hasa in the 16th and 17th Centuries. J.Amer.Oriental Soc. 90(3). 486-513.
589. SERGEANT, R.B., WICKENS, G.M. 1949. The Wahabis of Western Arabia in 1803-4 A.D. Islamic Culture. 23(4). 308-309.
590. TIBBETTS, G.R. 1961. Arab navigation in the Red Sea. Geogr.J. 127(3). 322-334.

#### CONTEMPORARY HISTORY

This section includes references to the modern state of Saudi Arabia and biographies of its leaders. References to boundary problems and to relations with neighbouring countries are to be found in the section relating to POLITICAL GEOGRAPHY.

BOOKS (see also 429, 509, 1064, 1065, 1066, 1067, 1069, 1070)

591. ARMSTRONG, H.C. 1934. Lord of Arabia. London, Barker, 306pp.
592. ASSAH, A. 1969. Miracle of the Desert Kingdom. London, Johnson. 330pp.
593. BROUCKE, J. 1929. L'Empire Arabe d'Ibn Séoud. Brussels, Falk. 90pp.
594. CASHEL, W. 1953. Die Bedeutung de Beduinan in der Geschichte der Araber. Koln; Arbeits. Forsch.Landes Nordrhein-Westfalen 8. 35pp.
595. DE GAURY, G. 1966. Faisal, King of Saudi Arabia. London, Barber. 191pp.
596. GHATH, A. 1967. The Marching Caravan: the story of Modern Saudi Arabia. Jeddah. 209pp.
597. GLUBE, Sir J.B. 1959. Britain and the Arabs; a study of fifty years 1908-1958. London, Dodder & Stoughton. 496pp.

598. HAFIZ WAHBA, SHEIK. 1964. Arabian Days. London, Barker. 184pp.
599. HOWARTH, D.A. 1964. The Desert King, a life of Ibn Saud. London, Collins 252pp.
600. KHEIRALLAH, G. 1952. Arabia Reborn. Albuquerque, Univ. New Mexico Press 307pp.
601. LAWRENCE, T.E. 1927. Revolt in the Desert. London, Cape. 446pp.
602. \_\_\_\_\_ 1935. The Seven Pillars of Wisdom. London, Cape. 702pp.
603. LYANTEY, P. 1967. L'Arabie Saoudite d'Aujourd'hui. Paris, Juilliard. 155p.
604. MOWAT, R.C. 1958. Middle East Perspective. London, Blandford. 279pp.
605. PHILBY, H. St.J.B. 1930. Arabia. London, Benn. 387pp.
606. \_\_\_\_\_ 1952. Arabian Jubilee. London, Hale. 280pp.
607. RIHANI, A. 1928. Ibn Sand of Arabia: his people and his land. London, Constable. 370pp.
608. SETON-WILLIAMS, M.V. 1948. Britain and the Arab States, London, Luzac. 330pp.
609. SOULIE, G., J-L., CHAMPENOIS, L. 1966. Le Royaume d'Arabie Saoudite Face à l'Islam Révolutionnaire, 1953-1964. Paris, Armand Colin.
610. SPARROW, JUDGE G. 1970. Modern Saudi Arabia. London, Knightly Vernon. 126pp.
611. STILT, G. 1948. A Prince of Arabia. London, Allen & Unwin.
612. VAN DER MEULEN, D. 1957. The Wells of Ibn Saud. London, Murray. 270pp.
613. VON MIKUSCH, D. 1942. König Ibn Saud; Das Werden eines Staates. Leipzig, List. 380pp.
614. WILLIAMS, K. 1933. Ibn Saud: The puritan King of Arabia. London, Cape. 299pp.
615. ZISCHKA, A. 1942. Die Auferstehung Arabiens: Ibn Sauds Weg und Ziel. Leipzig, Goldman. 248pp.



## ARTICLES

616. DE GAURY, G. 1946. The end of Arabian Isolation. Foreign Affairs. 25. 82-89.
617. KIRK, G.L. 1934. Ibn Saud builds an empire. Current History. 41(4).291-29
618. LEWIS, C.C. 1933. Ibn Saud and the future of Arabia. Int.Affairs. 12(4). 518-534.
619. MONTGOMERY, J.A. 1927. Arabia today; an essay in contemporary history. J.Amer.Oriental Soc. 47(2). 97-132.
620. PHILBY, H.St.J.B. 1925. The recent history of the Hejaz. J.Cent. Asian Soc. 12(4). 332-348.
621. \_\_\_\_\_ 1935. Arabia today. Int.Affairs. 14(5). 619-634.
622. \_\_\_\_\_ 1950. The golden jubilee in Saudi Arabia. J.Roy.Cent. Asian Soc. 37(2). 112-123.
623. \_\_\_\_\_ 1954. The new reign in Saudi Arabia. Foreign Affairs. 32(3). 446-458.
624. \_\_\_\_\_ 1958. Arabia in retrospect. M.E.Forum. 33(1).14-15.
625. RENTZ, G. 1965. Saudi Arabia; the Islamic island. J.Int.Affairs. 19 (1). 77-86.
626. RIHANI, A. 1929. Arabia: an unbiased survey. J.Cent.Asian Soc. 16(1). 35-55.
627. VIANNEY, J.J. 1966. Aspects of Saudi Arabia through the ages. Levante. 13(3-4). 54-60.
628. VON HENTIG, W.O. 1955. Bericht uber Saudiarabien. Geog.Z.Geopolitik. 26(4). 434-438.

## BACKGROUND WORKS

References in this section provide a general geographical background to a study of the Kingdom of Saudi Arabia. Few of these references contain any detailed historical analysis.

BOOKS (see also 579, 1061, 1071, 1072, 1075, 1076)

629. ANON. 1968. Saudi Arabien. Stuttgart, Kolhammer. 24pp.
630. BAUMHAUER, O. 1965. Arabien. Stuttgart, Goverts. 345pp.

631. BENOIST-MÉCHIN, J. 1961. Arabie Carrefour des Siècles. Paris, Albin Michel. 140pp.
632. BLACHÈRE, P., DURAN, F., DELATTRE, H. 1956. Dans les Pays de Mahemet. Paris, Hachette. 128pp.
633. DE GAURY, G. 1943. A Saudi Arabian Notebook. Cairo, Imprimere Misc. 50pp.
634. DEQUIN, H. 1963. Die Landwirtschaft Saudisch-Arabiens und ihre Entwicklungsmöglichkeiten. Frankfurt, DLG-Verlags GMBH. 350pp.
635. GHADRI, N. 1968. The Great Challenge. Jeddah, Govt. Press. 210pp. (Rev. Edition).
636. GHARAYBEH, A. 1962. Saudi Arabia. London
637. GROHMAN, A. 1963. Arabien. Munich, Beck. 307pp.
638. INAYATULLAH, SHEIKH. 1942. Geographical factors in Arabian life and history. Lahore, Muhammed Ashraf. 160pp.
639. LAMMENS, R.P.H. 1914. L'Arabie Occidentale à la Veille de l'Hégire. Rome, Institut Pontifical
640. LEBKICHER, R., RENTZ, G. STEINEKE, M. 1952. The Arabia of Ibn Saud. New York, Moore.
641. MORITZ, B. 1923. Arabien: Studien zur physikalischen und Historischen Geographie des Landes. Hanover, Orient-Buckhandlung Heinz Lafaire. 133pp.
642. NALLINO, C.A. 1939. Raccolta di Scritti Editi e Inediti, Vol 1. l'Arabia Saudiana. Rome, Istituto per l'Oriente. 303pp.
643. \_\_\_\_\_ 1941. Raccolta di Scritti Editi e Inediti, Vol 3. Storia dell Arabia Preislamica, storia e Istituzioni Musulmane. Rome, Istituto per l'Oriente. 470pp.
644. NAVAL INTELLIGENCE DIVISION. (BRITISH ADMIRALTY). 1917. A Handbook of Arabia. London, HMSO. 709pp.
645. \_\_\_\_\_ 1944. Iraq and the Persian Gulf. London, HMSO. (BR524) 681pp.
646. \_\_\_\_\_ 1946. Western Arabia and the Red Sea. London, HMSO (BR527) 660pp.
647. STEINER, M.J. 1947. Inside Pan-Arabia. Chicago. 237pp.

648. TOMICHE, F.-J. 1962. L'Arabie Séoudite. Paris, Presses Universitaires de France. 128pp.
649. TWITCHELL, K.S. 1958. Saudi Arabia: with an account of the development of its natural resources. Princeton Univ. Press. 281pp. (3rd Edition)
650. UNITED STATES, DEPT OF ARMY. 1966. Area Handbook for Saudi Arabia. Washington, D.C. 371pp.
651. \_\_\_\_\_ DEPT OF STATE. 1965. Background Notes: Saudi Arabia. Washington, D.C. 4pp.
652. ZUCCOLI, V C.G. 1954. Arabia Saudiana. Milan, Ceschina. 187pp.

ARTICLES (see also 446, 626)

653. ANON. 1961. Saudi Arabia. Arab World. 48. 22-28.
654. \_\_\_\_\_ 1962. Saudi Arabia. Arab World. 49. 22-27.
655. \_\_\_\_\_ 1968. Saudi Arabia today. Texaco Star Bull. 55(1). 2-10
656. ARAMCO. 1965. Arabian landscapes. Viewpoints. 5(3). 3-10.
657. BARRÉ, P. 1903. L'Arabie. Rév.Géogr. 52(2). 123-134.
658. \_\_\_\_\_ 1903. L'Arabie. Rév. Géogr. 52(3). 250-263.
659. DE GAURY, G. 1944. Arabia and the future. J.Roy.Cent.Asian Soc. 31(1). 40-47.
660. DINNGELSTEDT, V. 1916. Arabia and the Arabs. Scot.Geogr.Mag. 32(7). 321-330.
661. FIELD, H. 1934. Sulle caratteristiche geografiche dell'Arabia settentrionale. Bull.Reale Soc.Geogr. Ital. 11(1). 3-13.
662. FORDER, A. 1909. Arabia, the Desert of the Sea. Nat.Geogr. Mag. 20(12). 1039-1062.
663. HAUPERT, J.S. 1966. Saudi Arabia. Focus. 16(9). 1-6.
664. HOTTINGER, A. 1958. Saudi arabien. Atlantis. 5. 245-259.
665. INAYATULLAH, SHEIKH. 1937. The isle of the Arabs. Islamic Culture. 11(2). 274-273.
666. LESCHE, W. 1931. Arabien: Eine Landeskundliche Skizze. Mittel.Geogr.Geselt. (Munchen). 24(1). 1-153.

667. LOIRE, R. 1958. Arabie Séoudite. Conn du Monde. 15. 97-112.
668. NEILAN, M.A. 1943. Arabia. For.Commerce.Wkly. 13(10). 3-9.
669. RATHJENS, C., WISSMAN, H. von. 1947. Landschaftskundliche Beobachtungen in sudlichen Hedjaz. Erdkunde. 1(1-3). 61-90.
670. \_\_\_\_\_ 1947. Landschaftskundliche Beobachtungen in sudlichen Hedjaz. Erdkunde. 1(4-6). 200-205.

### POLITICAL STUDIES

BOOKS (see also 597, 608, 1020, 1030, 1033)

671. BRAY, N.N.E. 1934. Shifting sands. London, Unicorn Press. 312pp.
672. BRÉMOND, E. 1937. Yémen et Saoudia. Paris, Charles-Lavanxelle. 144pp.
673. FABIAN SOCIETY, 1967. Arabia: when Britain goes. London, Fabian Res.Ser. 259. 28pp.
674. HURGRONJE, C.S. 1917. The Revolt in Arabia. London, Putnam. 50pp.
675. KELLY, J.B. 1964. Eastern Arabian Frontiers. London, Faber & Faber. 319pp.
676. LEWIS, B. 1963. The Middle East and the West. London, Wiedenfeld and Nicholson
677. MARLOWE, J. 1962. The Persian Gulf in the Twentieth Century. Cresset Press.
678. SHWADRAN, B. 1956. The Middle East Oil and the Great Powers. Atlantic Press.
679. U.S. DEPT OF THE ARMY. 1965. Middle East: Ticontinental Hub, a Strategic Survey. Washington, D.A. Pamphlet 550-2. 167pp.

ARTICLES (see also 616, 737, 1006)

680. ANON. 1927. The boundaries of the Nejd, a note on special conditions. Geogr.Rev. 17(1). 128-134.
681. BOESCH, H. 1963. Neutrales Land in Nordarabien. Geogr.Helvetica. 18(2). 209-211.
682. CLAYTON, Sir G. 1929. Arabia and the Arabs. Int.Affairs. 8(1). 8-20.
683. D'AVRIL, A. 1901. Quelques notes sur l'Arabie. Quest. Diplomat.Colon. 12(109) 281-296.

684. GREENIP, W.E. 1966. Jordan - Saudi border demarcation. Viewpoints. 6(1). 24
685. HARTMANN, R. 1917. Arabien in Weltkreis. Peterm.Geogr. Mitt. 63(3). 54-57.
686. ———. 1917. Arabien in Weltkreis. Peterm.Geogr. Mitt. 63(4). 84-87.
687. IMBART DELLA LOUR, J. 1903. Autour de l'Arabie. Bull. Com. l'Asie Française 3(27). 15-21.
688. KELLY, J.B. 1956. The Buraimi Oasis Dispute. Int.Affairs. 32(3). 318-326.
689. ———. 1958. Sovereignty and Jurisdiction in Eastern Arabia. Int.Affairs. 34(1). 16-24.
690. LEES, M., MATHEWS, G. 1967. The U.N. and the politics of the Arabian Peninsula. Contemp.Rev 11.
691. LIEBESNY, H.J. 1950. Legislation on the sea bed and territorial waters of the Persian Gulf. Mid.East.J. 4(1). 94-98.
692. MELAMID, A. 1954. Oil and the evolution of boundaries in Eastern Arabia. Geogr.Rev. 43(2). 295-296.
693. ———. 1955. The economic geography of Neutral territories. Geogr.Rev. 45(3). 359-374.
694. ———. 1956. The Buraimi oasis dispute. Mid.East.Affairs. 7(2). 56-63.
695. ———. 1957. The political geography of the Gulf of Aqaba. Ann.Ass.Amer.Geogr. 47(3). 231-240.
696. ———. 1957. Boundaries and petroleum developments in Southern Arabia. Geogr.Rev. 47(4). 589-591.
697. ———. 1965. Political boundaries and nomadic grazing. Geogr.Rev. 55(2). 287-290.
698. MYLREA, C.S.G. 1919. The Politico-religious situation in Arabia today. Moslem.Wld. 9(3). 300-305.
699. PHILBY, H.St J.B. 1926. The triumph of the Wahhabis. J.Cent. Asian Soc. 13(4). 293-319.
700. SAHWELL, A.S. 1956. The Buraimi Dispute, the British armed aggression. Islamic Rev.



701. SIMPICH, F. 1919. The rise of the new Arab nation. Nat. Geogr. Mag. 34(5). 369-393.
702. YOUNG, R.E. 1949. Saudi Arabian offshore legislation. Amer. J. Int. Law 43(3). 530-532.
703. \_\_\_\_\_ 1968. Legal Problems of offshore Concessions. Middle East Focus: the Persian Gulf. Princeton Univ. Press
704. ZOLI, C. 1934. Lieri modificazioni alla carta politica dell'Arabia. Bull. R. Soc. Geogr. Ital. Ser 6. 11(10-11). 635-652.
705. \_\_\_\_\_ 1936. Il confino tra Arabia Saudita e Yemen. Bull. Soc. Geogr. Ital. Ser. 7. 1(2). 113-115.

## 12. THE PEOPLE

### ANTHROPOLOGY

Many of the studies relating to the early exploration of the peninsula and also reports of twentieth century travels also contain material of an anthropological nature.

BOOKS (see also 416, 515, 522)

706. BURCHHARDT, J.L. 1967. Notes on the Bedouins and Wahabys, collected during his travels in the East. London, 2 vols (Reprint of 1831 edition).
707. CASSEL, W. 1953. Die Bedeutung der Beduinen in der Geschichte der Araber. Köln, Oplander.
708. \_\_\_\_\_ 1954. The Bedouinisation of Arabia. Studies in Islamic Cult. Hist. Mem. 76.
709. DICKSON, H.R.P. 1949. The Arab of the Desert: a glimpse into Badawin life in Kuwait and Saudi Arabia. London,
710. DOSTAL, W. 1967. Die Beduinen in Sudarabien; Eine ethnologische studie. Vienna, Berger. 200p.
711. FIELD, H. 1950. Among the Beduins of North Arabia. Amer. Doc. Instit. 2941. 20pp.
712. \_\_\_\_\_ 1956. An anthropological Renaissance in the Near East, 1950. Peabody Mus. Papers. 48(2). 119pp.
713. FIELD, H., GLUBB, J.B. 1943. Yezidis, Subibba and other tribes of Iraq and Adjacent Regions. Menasha Bunta. Gen. Ser. Anthropol. 10.
714. HESS, J.J. 1938. Van den Beduinen des inneren Arabiens. Zurich, Erzählungen, Lieder, Sitten & Gebrauche.
715. KASELAU, A. 1927. Die freien Beduinen Nord und Zentral Arabiens. Hamburg, Universität. 141pp.
716. MILES, S.B. 1966. The countries and tribes of the Persian Gulf, 1919-1920. London, Cass. 644pp. (new edition).
717. MONTAGNE, R. 1947. La Civilization du Désert. Paris, Librairie Hachett
718. MUSIL, A. 1928. The Manners and Customs of the Ruwala Bedouins. New York, Amer. Geogr. Soc. Orient. Explor. Studies. 6. 712pp.

719. RASWAN, C R. 1935 The Black Tents of Arabia London, Hutchinson 280pp.
  720. \_\_\_\_\_ 1955 The Arab and his horse. Oakland. 148pp.
  721. ROBERTON-SMITH, W. 1907. Kinship and Marriage in Early Arabia. London, Adam & Charles Black 324pp.
  722. VON OPPENHEIM, M.F. 1939-1968 Die Beduinen. Wiesbaden, Harrassowitz. 4 vols in 5.
- ARTICLES (see also 538, 660, 972)
723. ASHKINAZI, T. 1948 The 'Anazah Tribes. Southwestern J. Anthropol. 4 222-239.
  724. CASHEL, W. 1953 Zur Beduinisierung Arabiens. Zeitsch. Deutsch-Morganland Ges 103 28-36.
  725. \_\_\_\_\_ 1954 The Beduinization of Arabia. Amer. Anthropol. 46(2) 36-45.
  726. FIELD, H. 1931. Among the Beduins of North Arabia. Open Court 45. 577-596
  727. \_\_\_\_\_ 1932 The ancient and modern inhabitants of Arabia. Open Court. 46. 847-872
  728. \_\_\_\_\_ 1935 Racial types from south Arabia. Open Court. 50. 33-34.
  729. GUIFFRIDA- RUGGERI, V. 1919. Affinita antropologiche fra Etiopia e Arabi meridionali. Ann.R.Inst.Orient Napoli.
  730. GOODISON, R A C. 1958. Arab dialect studies: Arabian peninsula. Middle East J. 12(2). 205-213.
  731. GRIMME, H. 1924. Einflüsse der Steppennatur Arabiens auf die Altarabische Sprache. Peter Geogr Mitt. 70(9-10). 216-218.
  732. HENNINGER, J. 1959. Das Eigentumsrecht bei den heutigen Beduinen Arabiens. Zeitsch.f.Vergleich.Recht. 61. 6-56.
  733. HUNTINGTON, E. 1912 The Arabian desert and human character. J.Geog 10(5). 169-175
  734. JARVIS, C.S. 1936. The desert Beduin and his future. J.Roy.Cent. Asian Soc. 23(4). 585-593.
  735. KIMBALL, S.T. 1956. American culture in Saudi Arabia. Trans. New York Acad.Sci. 18(5). 469-484.

736. MATHEWS, C.D. 1960. Bedouin life in contemporary Arabia. Rivista.Studi.Orientali. 35(1-2). 31-61.
737. MONTAGNE, R. 1932. Notes sur la vie sociale et politique de l'Arabie du Nord; les Sammar du Nejd. Rév.Etudes Islam. 6(1). 61-79.
738. MUHSAM, H.V. 1951. Fertility and Reproduction of the Beduin. Pop.Studies. 4(4). 354-363.
739. RATHJENS, C. 1950. Kulturelle Einflüsse in Sudwestarabien. Jb. Kleinasiatische Forsh. Heidelberg, 1. 1-42.
740. SELIGMAN, C.G. 1917. The Physical Characters of the Arabs. J.Roy.Anthrop.Inst. 47(1-2). 214-237.
741. SHANKLIN, W. 1953. Anthropological measurements on the Arab bedouin with comments on their customs. Man. 53(206). 134.
742. THESIGER, W. 1949. Hawking in Arabia. The Listener. 42. 803-804.

#### POPULATION AND SOCIAL STRUCTURE

This section includes not only references to the urban structure but also to nomads and to slavery, though the latter is now illegal in Saudi Arabia.

BOOKS (see also 421, 575, 576, 595, 1077)

743. AL-KAYLANI, H.M. 1964. Estimate of the rate of increase of the population of Saudi Arabia. Beirut, Amer.Univ. Econ.Res Unit.
744. BAER, G. 1964. Population and Society in the Arab East. London, Routledge & Kegan Paul. 275pp.
745. FORDER, A. 1902. With Arabs in Tent and Town. London, Marshall. 244pp.
746. HERZOG, R. 1963. Se Bhaftwerden von Nomaden: Geschichte, gegenwartiger stand eines wirtschaftlichen nie sozislen Prozesses und Moglichkeiten der sumiollen technischen Unterstutzung. Koln-opladen, Westdeutscher Verlag. 207pp.
747. LIPSKY, G.A. 1959. Saudi Arabia: its people, its society, its culture. New Haven. Hum.Rel. Area File. 366pp.
748. PATAI, R. 1962. Golden River to Golden Road: Society, Culture and Change in the Middle East. Philadelphia, Univ. Press. 461pp.

ARTICLES (see also 737, 738)

749. ARAFAT, W. 1966. The attitude of Islam to slavery. Isl.Quarter. 10(1-2). 12-18.
750. CARVER, J.L. 1948. Slavery's last stronghold. Unit.Nat.Wld. 2. 24-27.
751. DE JONG, G.E. 1934. Slavery in Arabia. Mosl.Wld. 24(2). 126-144.
752. DI MEGLIO, R. 1970. Il problema dei nomadi in Arabia Saudiana e le sue soluzioni, Orient.Mod. 50(6). 273-279.
753. ELPHINSTON, W. G. 1945. The future of the Beduin of Northern Arabia. Int.Affairs. 21(3). 370-375.
754. FILALI, M. 1966. Structures sociales en Arabie Séoudite. Rev. Tunisiennes Sci.Soc. 3(6). 69-84.
755. GREENIDGE, C.W.W. 1956. Slavery in the Middle East. Mid.East. Affairs 7(12). 435-440.
756. MYLREA, C.S.G. 1932. Medievalism in Arabia. Mosl.Wld. 22(3). 247-255.
757. PAULING, N.G. 1964. Labour separation in an underdeveloped area: Saudi Arabia. Amer.J.Econ.Sociol. 23(4). 419-434.
758. PEPPELENBOSCH, P.G.N. 1968. Nomadism on the Arabian Peninsula: a general appraisal. Tijds.econ.soc.Geogr. 49(6). 335-346.
759. QUTUB, I. 1964. Social trends in Arab cities. Mid.East Forum. 40(1). 25-28.
760. ROSENFELD, H. 1965. The social composition of the military in the process of state formation in the Arabian Desert. J.Roy.Anthrop.Inst. 95(1). 75-86.
761. RUTTER, E. 1933. Slavery in Arabia. J.Roy.Cent.Asian.Soc. 20(3). 315-332.
762. SPONECK, H.C.G. 1967. Das nomaden problem in einer sich entwickelnden Nirtschaft. Entw.U.Zusammarb. 8(8). 6-7.
763. WARD, R.J. 1970. The long-run employment prospects for Middle East labour. Mid.East J. 24(2). 147-162.
764. WIRTH, E. 1969. Das problem der Nomadim im Reutigen Orient. Geogr. Rundschau. 21(2). 41-51.
765. WOLF, E.R. 1951. The social organisation of Mecca and the origins of Islam. Southwest. J.Anthrop. 7(4). 329-353.



# THE PILGRIMAGE

The pilgrimage to Mecca, while of the utmost religious significance, also has a considerable impact on the economy of Saudi Arabia and is responsible for a large annual movement of population, not only within the Middle East but also from all quarters of the world.

BOOKS (see also 378, 409, 411, 412, 423, 884, 892, 893, 894, 895, 1073, 1074)

766. ANON. 1922. General Instructions for Pilgrims to the Hedjaz. Calcutta. Govt. Printers, 69pp.
767. BORREL, D. 1904. Choléra et Peste dans le Pèlerinage Musulman. Paris, Masson
768. BURTON, R.F. 1964. Personal narrative of a Pilgrimage to Al Madina and Maccah. New York, Dover, 2 vols. Reprint of 1955 edition.
769. CHÉRIF, A. 1930. Le pèlerinage de la Mecque. Beyrouth, Angelil. 71pp.
770. COBBOLD, LADY E. 1934. Pilgrimage to Mecca. London, Murray 260pp.
771. COURTELLEMONT, G. 1936. Mon voyage à la Mecque. Paris, Hachette.
772. DINET, E., BAAMER, S.I.B. 1930. Le Pèlerinage à la Maison Sacrée d'Aliah. Paris, Hachette.
773. DUGUET, F. 1932. Le Pèlerinage de la Mecque au point de vue Religieux, Social et Humanitaire. Paris, Gauthner.
774. GAUDEFROY-DEMOMBYNES, M. 1923. Le Pèlerinage à la Mekke: étude d'histoire religieuse. Paris, Ann. Mus. Guimet. 33. 330pp.
775. JOMIER, J. 1953. Le Mahmal et la caravane Egyptienne des Pèlerins de la Mecque. Cairo. Inst. Français Archaeol. Orient. (Rech. Arch. Philol. Hist.) 20. 240pp.
776. KAMAL, A. 1964. The Sacred Journey, being Pilgrimage to Makkah. London, Allan and Unwin. 108pp.
777. KANDOLF, F. 1952. In Mekka. Hamburg, Bayer.
778. KHAN, H., SPARROY, W. 1905. With the Pilgrims to Mecca. London, Lane. 314pp.
779. LE BOULICAUT, A. 1913. Au pays des Mystères: Pèlerinage d'un Chrétien à la Mecque et à Médine. Paris, Plon-Nourrit. 289pp.

780. NAWAB SULTAN JAHAN BEGAM, RULER OF BHOPAL. 1909. The Story of a Pilgrimage to Hijaz. Calcutta, Thacker and Spink. 360pp.
  781. PHILBY, H.St.J.B. 1946. A Pilgrim in Arabia, London, Hale. 198pp.
  782. RAHIM, J.A. 1941. Report of the special Hajj enquiry. Lahore, Mufid-i-Am Press. 157pp.
  783. RALLI, A. 1909. Christians at Mecca. London, Heinemann. 283pp.
  784. ROSENTHAL, E. 1931. From Drury Lane to Mecca. London, Low and Marston. 248pp.
  785. ROSSI, G.B. 1902. El Hadgi-Il Pellegrino d'Islam. Rome, Desclée Lefèvre.
  786. RUTTER, O. 1937. Triumphant Pilgrimage; an English Muslim's Journey from Sarawak to Mecca. London, Lippincott. 296pp.
  787. SHAH, S.I.A. 1928. Westward to Mecca. London, Witherby. 224pp.
  788. SPIRO BEY, S. 1932. The Moslem Pilgrimage. Alexandria, Whitehead Morris. 70pp.
  789. TRESSE, R. 1937. Le Pèlerinage Syrien aux Villes Saintes d'Islam. Paris, Chaumette. 383pp.
  790. WAVELL, A.J.B. 1918. A Modern Pilgrim in Mecca and a siege in Sanaa. London, Constable. 232pp.
- ARTICLES (see also 444, 584, 765, 840, 898, 905, 906, 909, 915, 919, 1078)
791. AL-E AHMED, J. 1967. Le Pèlerinage. Melanges Inst.Domin. Etudes Orient. Caire 9. 227-238.
  792. ANON. 1937. Pilgrims progress to Mecca. Nat.Geogr.Mag. 72(5). 627-642.
  793. \_\_\_\_\_ 1949. Retour de la Mecque. L'Afrique et L'Asie, 1. 1-2.
  794. ASADULLAH, M. 1931. Medina, die Stadt des Propheten. Atlantis. 385-391.
  795. BACHATLY, C. 1943. Document sur pèlerinage à la Mecque au début du X<sup>e</sup> siècle de l'hégire. Bull. Soc.Geogr. l'Egypte. 21. 23-27.
  796. BECKINGHAM, C.F. 1950. The date of Pitt's pilgrimage to Mecca. J.Roy.Asian Soc. 2. 112-113.
  797. CHAINE, M. 1932. Un voyage inédit du Pere Sicard à la Mecque en 1724. Rev. l'Orient Chrétien. 8(28). 209-221.
  798. COBBOLD, LADY E. 1935. Pilgrim to Mecca. Geogr.Mag. 1(2). 107-116.

799. CODIER, G. 1911. Un voyage à la Mecque. Rev.Monde.Musul. 14. 510-513.
800. DA CRUX, D. 1965. Pilgrim's road. Aramco Wld. 16(5). 23-33.
801. GHAFUR, A.S. 1953. From America to Mecca on airborne pilgrimage, Nat.Geogr.Mag. 104(1). 1-60.
802. JEFFERY, A. 1932. Christians at Mecca. Mus.Wld. 22(3). 219-226.
803. JOMIER, J. 1966. Role et importance du pèlerinage en Islam. Lumiere et Vie 79. 80-92.
804. \_\_\_\_\_ 1967. Le pèlerinage musulman vu du Caire v 1960. Mélang. Inst. Domin.Etudes Orient. Caire. 9. 1-72.
805. KAZEM, ZADEH, H. 1912. Relation d'un pèlerinage à la Mecque en 1910-1911. Rev.Monde Musul. 19(3-4). 190-192.
806. LAMMENS, R.P.H. 1904. Un pèlerinage à la Mecque en 1902. Miss.Catholiques. 36(1842). 473-477.
807. \_\_\_\_\_ 1904. Le pèlerinage de la Meque en 1902. Miss.Belges. 6(1). 15-26.
808. \_\_\_\_\_ 1924. La Mecque à la veille de l'Hégire. Mélang. Univ.Saint Joseph Beymouth 9(3). 94-439.
809. LEVI DELLA VIDA, G. 1942. A Portuguese pilgrim to Mecca in the 16th Century. Mus.Wld. 32(4). 283-297.
810. MAJID, A. 1926. A Malay's pilgrimage to Mecca. J.Malay Br.Roy. Asiatic Soc. 4(2). 269-287.
811. MARTY, P. 1921. Relation d'un pèlerinage à la Mecque par un marabout peul en 1794-1795 Rev.Monde. Musul. 43. 228-235.
812. MOREAU, R.L. 1967. Note sur un pèlerinage à la Mekke vécu au Senegal aujourd'hui. Mélang.Inst. Domin. Etudes Orient. Caire. 9. 215-220.
813. RUTTER, E. 1929. The Muslim Pilgrimage. Geogr.J. 74(3). 271-273.
814. SHEIK, A.M. 1963. Mon pèlerinage à la Mecque. Conn.du Monde. 59. 40-53.
815. VAN DER MEULEN, D. 1940. The Mecca Pilgrimage and its importance to the Netherlands East Indies. Asiatic Rev. 36(3). 588-597.

816. VAN DER MEULEN, D. 1941. The Mecca Pilgrimage and its importance to the Netherlands East Indies. Mos.Wld. 31(1). 48-60.
817. VECCA VAGLIERI, L. 1924-25. Viaggio di un pellegrino attraverso la Libia nel secolo XVI. Riv.del.Tripolitania 1.133-141.
818. ZWEMER, S.M. 1917. Mecca the Mystic. Nat.Geogr.Mag. 32(2). 157-172.

#### OTHER RELIGIOUS ASPECTS

BOOKS (see also 429 )

819. MONTGOMERY, J.A. 1934. Arabia and the Bible. Philadelphia, Univ. Pennsylvania Press.
820. STORM, W.H. 1938. Whither Arabia. London, World Dominion Press. 132pp.

ARTICLE (see also 625, 698)

821. ZWEMER, S.M. 1943. Islam in 'Arabia Deserta'. Mos.Wld. 33(3). 157-164.

#### MEDICAL

BOOKS (see also 422, 767 )

822. CHU, C.K., DJAZZAR, S.K., ADHAM, M.H. 1963. Report on a health survey of Saudi Arabia. Alexandria, WHO Regional Office. Mimeo.
823. HEINE, H-D. 1964. Die Cholera im mittleren Osten. Tubingen. Univ. Tropenmed. Inst. 64pp.
824. HOWARD, R.A. 1953. Sun, sand and survival: an analysis of survival experiences in desert areas. Arctic, Desert, Tropic Info.Centre Publs. Montgomery, Alabama. D102.
825. LEESE, A.S. 1927. A treatise on the One-Humped Camel in Health and Disease. Stamford (Lincs), Haynes. 382pp.
826. SIMMONS, J.S. (Compiler). 1954. Global Epidemiology: Vol.3 The Near and Middle East. Harvard Univ. School. Public Health.

ARTICLES (see also 245, 246, 247)

827. ABBOUD, M.A. 1957. An anthropometric study of Arabian school children. Gaz.Egypt.Pediat.Ass. 5-6. 493-503.
828. ANON. 1961. Closing in on Malaria. Aramco Wld. 12(3). 3-5.
829. ——— 1965. Medical oasis in Saudi Arabia. Hospitals. 39. 51-56.
830. ——— 1968. Food poisoning by insecticides in Arabia. WHO Chron. 22. 131-134.
831. ——— 1969. Iron deficiency in children in Saudi Arabia. Nutr. Rev. 27(1). 6-7.
832. AZIM, M.A., GISMANN, A. 1956. Bilharziasis survey in Southwestern Asia, 1950-51. Bull.WHO. 14(3). 406-456.
833. BOBB, A.A., NICHOLS, R.L. 1969. Influence of environment on clinical trachoma in Saudi Arabia. Amer.J. Ophthal. 67(2). 235-243.
834. BUXTON, P.A. 1944. Anopheles mosquitoes and malaria in Arabia. Trans.Roy.Soc.Trop.Med.Hygiene. 38(3). 205-214.
835. CHAGLIASSIAN, H.T., BUSTANI, N., ANDERSON, H.H. 1952. Endemic Treponematoses (bulash or bejel) in Saudi Arabia. Amer.J. Trop.Med.Hygiene. 1(5). 826-830.
836. DAGGY, R.H. 1957. Oasis malaria. Ind.Tropical Health. 3. 42-55.
837. ——— 1959. Malaria in the oases of eastern Saudi Arabia. Amer.J.Trop.Med.Hygiene. 8(2). 223-291.
838. EL HALAWANI, A.W. 1964. Heat illness. I. Heat illness during the Mecca pilgrimage. WHO Chron. 18. 283-288.
839. EL HALAWANI, A.W., LEITHEAD, C.S. 1964. Heat illness. II. Heat illness and some related problems. WHO Chron. 18. 288-304.
840. FARID, M.A. 1956. Implications of the Mecca pilgrimage for a regional malaria eradication programme. Bull.WHO. 15(3-4). 828-833.
841. GELPI, A.P. 1965. Glucose-6-phosphate dehydrogenase deficiency in Saudi Arabia: a survey. Blood. 25(4). 486-493.
842. ——— 1966. Q. fever in Saudi Arabia. Amer.J.Trop. Med.Hygiene. 15(5). 785-798.



843. GELPI, A.P. 1967. Glucose-6-phosphate dehydrogenase deficiency, the sickling trait and malaria in Saudi Arabia children. J.Pediatrics. 71(1). 138-146.
844. \_\_\_\_\_ 1970. Sickle cell disease in Saudi Arabia. Acta. Haemat. (Basle). 43(2). 98-99.
845. \_\_\_\_\_ 1970. Malignant lymphoma in the Saudi Arab. Cancer. 25(4). 892-895.
846. GELPI, A.P.; MUSTAFA, A. 1967. Seasonal pneumonitis with eosinophilia. Amer.J.Trop.Med.Hygiene 16(4). 646-657.
847. HAROUN, A.E. 1964. High incidence of urolithiasis and urological disease among the inhabitants of Saudi Arabia. J.Egypt.Med.Assoc. 47(11-12). 726-731.
848. JOHNSON, R.H.; CORBETT, J.L.; WILKINSON, R.H. 1968. Desert journeys by Bedouin: sweating and concentration of urine during travel by camel and on foot. Nature. 219. 953-954.
849. LEHMANN, H.; MARANJIAN, G.; MOURANT, A.E. 1963. Distribution of sickle-cell hemoglobin in Saudi Arabia. Nature. 198 (4879). 492-493.
850. LEMORDANT, D. 1966. Toxicité et antagonistes du Khat. Med. Trop. (Marseilles) 26(2). 124-129.
851. LIPPI, M.; SEBASTIANI, A.; EL-MUTABAKANI, A. 1967. Ricerca degli anticorpi emoagglutinoinibenti il virus delle morbillo ed il virus parotitico e degli anticorpi fissanti il complemento verso il virus respiratorio. (Riyad). Arch. Ital.Sci.Med.Trop.Parass. 48(3). 145-152.
852. \_\_\_\_\_ 1967. Ricerca degli anticorpi emoagglutinoinibenti alconi mixovirus respiratori in un campione popolazione di Riyad. Arch.Ital. Sci.Med.Trop.Parass. 48(3). 123-134.
853. \_\_\_\_\_ 1968. Ricerca degli anticorpi sterici verso reovirus, adenovirus et coxiella bumeti in un gruppo di abitanti di Riyad. Arch. Ital.Sci.Med.Trop. Parass. 49(3). 129-135.
854. \_\_\_\_\_ 1968. Stato immunitario naturalmente acquisito verso gli entecovirus in un gruppo di abitanti di Riyad. Arch.Ital.Sci.Med.Trop.Parass. 49(5). 243-250.
855. \_\_\_\_\_ 1969. Stato attuale dell'organizzazione sanitaria e del nosografismo de Ryno dell'A.S. Arch.Ital.Sci.Med.Trop.Parass. 50(2). 59-105.

856. MALAK, J.A., KURBAN, A.K., BRIDI, G.S., THADDEUS, J.D. 1969. Systematic fungus infections in northern Saudi Arabia. Ann.Trop.Med.Parasit. 63(2). 143-146.
857. MARANJIAN, G., IKIN, E.W., MOURANT, A.E., LEHMANN, H. 1966. The blood groups and haemoglobins of the Saudi Arabians. Human Biology. 38(4). 394-420.
858. MATOSSIAN, R.M., THADDEUS, J.D., GARABEDIAN, G.A. 1963. Outbreak of epidemic typhus in the Northern Region of Saudi Arabia. Amer.J.Trop.Med.Hygiene. 12(1). 82-90.
859. MARRETT, W.C. 1953. Some medical problems met in Saudi Arabia. U.S. Armed Forces. Med.J. 4(1).
860. McNIEL, J.R. 1963. Gastroenteritis in Eastern Saudi Arabia. Tex.J.Med. 59(8).
861. ——— 1965. Meningitis in Eastern Saudi Arabia. Mid. East.Med.J. 2(1). 13-17.
862. ——— 1966. Pediatric practice in Eastern Saudi Arabia. J.Trop.Pediat. 11(4). 82-87.
863. ——— 1966. Pediatric practice in Eastern Saudi Arabia. Clin.Pediat. 5(6). 385-390.
864. ——— 1966. Acute bacterial meningitis as seen in children of East Saudi Arabia. Clin.Pediat. 5(7). 437-438.
865. ——— 1967. Family studies of thalassemia in Arabia. Amer.J.Hum.Gen. 19(2). 100-111.
866. NICHOLLS, R.L., BELL, S.D., MURRAY, E.S., HADDAD, N.A., BOBB, A.A. 1966. Studies in trachoma. V. Clinical observations in a field trial of bivalent trachoma vaccine at three dosage levels in Saudi Arabia. Amer.J.Trop.Med.Hygiene 15(4). 639-647.
867. NICHOLLS, R.L., BOBB, A.A., HADDAD, N.A., McCOMB, D.E. 1967. Immunofluorescent studies of the microbiologic epidemiology of trachoma in Saudi Arabia. Amer.J.Ophthal. 63. 1372-1408.
868. NICHOLLS, R.L., BELL, S.D., HADDAD, N.A., BOBB, A.A. 1969. Studies on trachoma. VI. Saudi Arabia Amer.J.Trop.Med. Hygiene. 18(5). 723-730.
869. PERRINE, R.P. 1967. An obscure myocardopathy in postpartum Saudi Arabs. Trans.Roy.Soc.Trop.Med. Hygiene. 61(6). 834-838.
870. ROWE, R.B., TAYLOR, J., BETTELHEIM, K.A. 1970. An investigation of travellers diarrhoea. Lancet. 1-5.

871. SALEM, S.N., SHUBAIR, K.S. 1967. Non specific ulcerative colitis in Bedouin Arabs. Lancet. 473-475.
872. SNYDER, J.C., NICHOLLS, R.L., BELL, S.D., HADDAD, N.A., MURRAY, E.S., McCOMB, D.E. 1964. Vaccination against trachoma in Saudi Arabia: design of field trials and initial results. Ind.Trop. Health 5. 65-73.
873. STORM, W.H. 1957. Leper survey in the Arabian Peninsula. Leprosy Rev. 8. 5-11.
874. TARIZZO, M.L. 1957. Saudi Arabia: epidemiological notes in the Eastern Province. Amer.J.Trop.Med.Hygiene 6(6). 786-804.
875. TAYLOR, J.W. 1963. Cancer in Saudi Arabia. Cancer. 16(12). 1530-1536.
876. TILLS, D. 1970. Blood groups in the Middle East. J.Durham Univ.Anthrop.Soc. 1. 1-23.
877. ZAHIR, A.R., DABBAGH, H.S. 1958/59. A malaria survey in the north western part of Saudi Arabia. Bull.End.Diseases (Baghdad). 3. 111-128.

#### EDUCATION AND RESEARCH

##### BOOKS

878. EL-GHANEM, A.M. 1966. Report on Special Education in Saudi Arabia for the Rehabilitation and Education of Handicapped Children. 3rd Int.Seminar on Spec.Ed.Badharsburg. 15pp.
879. QUBAIN, F.I. 1966. Education and Science in the Arab World. Baltimore, John Hopkins Univ.Press. 539pp.

##### ARTICLES

880. BAUMER, M. 1964. Scientific Research aimed at developing the Arid Zone of Saudi Arabia. Arid Zone (UNESCO). 24. 4-12.
881. GOBÉE, E. 1921. Indrukken over het schoolwezen in de Hidjaz. Tijds. v.ind.taal.land volken 60. 187-206.
882. MATHEWS, C.D. 1954. Research in Saudi Arabia. Mus.Wld. 43(2). 110-125.
883. TRIAL, G.T., WINDER, B. 1950. Modern Education in Saudi Arabia. Hist.Educat.J. 1(3). 121-133.

### 13. URBANISM.

#### ARCHITECTURE

##### BOOK

884. SAUVAGET, J. 1947. La Mosquée Omeyyade de Medine. Paris, Vanoost. 200pp.

##### ARTICLES

885. DICKSON, V. 1949. Artistic house decoration in Rujadh. Man. 49(97). 76-77.
886. FATHY, H. 1966. Model houses of El Dareeya, Saudi Arabia. Ekistics. 21(124). 214-219.
887. \_\_\_\_\_ 1966. Model of rural housing for Saudi Arabia. Ekistics. 22(130). 203-204.
888. RAYESS, F. 1965. The Face of Medina. Aramco Wld. 16(6). 12-15.
889. RICHARDS, J.M. 1947. Gateway to the Hedjaz. Archit.Rev. 102. 47-53.
890. VON WISSMANN, H. 1932. Ubersiche uber Aufban und Oberflachen Gestaltung Arabiens. Zeitsch.Gesel.f.Erdkunde. 9-10. 335-357.

#### THE TOWNS AND CITIES

##### BOOKS (see also 317, 521)

891. ANON. 1968. Jeddah 68/69. Nairobi, Univ.Press Africa & Arabia. 174pp.
892. DE GAURY, G. 1951. Rulers of Mecca. London, Harrap. 317pp.
893. ESIN, E. 1963. Mecca and Madinah. London, Elek. 222pp.
894. HURGRONJE, C.S. 1931. Mecca in the latter part of the 19th Century. London, Luzac. 312pp.
895. RUTTER, E. 1928. The Holy Cities of Arabia. London, Putnams. 2 vols
896. VIDAL, F.S. 1955. The oasis of Al-Hasa. New York, Aramco. 216pp.

##### ARTICLES (see also 759, 794)

897. ABUL-ELA, M.T. 1965. Some geographical aspects of Al-Riyadh. Bull.Soc.Geogr. d'Egypte. 38. 31-72.

898. AL ANSARI, A.A-Q. 1964. Medina, second city of Islam. Aramco Wld. 15(4). 30-33.
899. ANON. 1968. Saudi Arabia-master plan for the city of Riyadh. Doxiadis. Ass.Rev. 4(43). 1-8.
900. \_\_\_\_\_ 1968. Saudi Arabia-Riyadh master plan. Doxiadis Ass. Rev. 4.(45). 7-9.
901. \_\_\_\_\_ 1969. Saudi Arabia: Riyadh preliminary plan. Doxiadis Ass.Rev. 5(53). 7-8.
902. \_\_\_\_\_ 1969. Saudi Arabia: Preliminary plan for Riyadh approved. Doxiadis Ass.Rev. 5(57). 7-8.
903. \_\_\_\_\_ 1970. Riyadh, and five year development plan for municipalities. Doxiadis Ass.Rev. 6(67). 6-9.
904. BOYLAN, F.T. 1967. Taif, city of colour. Aramco Wld. 18(4). 35-37.
905. GAUTIER, E-F. 1918. Les villes saintes de l'Arabie. Ann. de Geogr. 27(106). 115-131.
906. HAMIDULLAH, M. 1938. The City state of Mecca. Isl.Culture. 12(3). 254-276.
907. HAMZA, Sir F. 1935. Najran. J.Roy.Cent.Asian Soc. 22(4). 631-640.
908. HARRISON, P.W. 1918. Al-Riadh, the capital of Nejd. Mos.Wld. 8(4). 412-419.
909. HESS, J.J. 1900. Die geographische lage Mekkas und die Strasse von Gidda nach Mecca. Gabl.et.Geogr. 1. 3-32.
910. HOPPER, H. 1956. Jiddah, Saudi Arabia's 'west coast boom town'. Lands East(Washington) 4-6. 16-17.
911. HOLTINGER, A., SCHEIDEGGER, E. 1965. Idda, Pforte zu den Pilgerstätten des Islams. Neue Zurichen Zeit. 112.1-2.
912. LAMMENS, P.H. 1922. La cité Arabe de Taif à la Veille de l'Hegire. Métanges.Univ.Saint-Joseph, Beyrouth. 8(4).115-327.
913. MACKIE, J.B. 1924. Hasa, an Arabian oasis. Geogr.J. 63(3). 189-207.
914. PHILBY, H.St.J.B. 1923. Jauf and the North Arabian Desert. Geogr.J. 62(4). 241-259.
915. \_\_\_\_\_ 1933. Mecca and Medina. J.Roy.Cent.Asian Soc. 20(4). 504-518.



916. PHILBY, H.St.J.B. 1959. Riyadh: ancient and Modern. Mid.East J. 13 (2). 129-141.
917. RICHARD, J.M. 1949. Desert city: an account of Hail in Central Arabia. Archit.Rev. 105. 35-41.
918. RICHARDSON, J.P. 1967. Diriyah Phoenixia. Mid.East 7(4). 3-7.
919. TOMKINSON, M. 1969. Seaside city for Meccas pilgrims. Geogr.Mag. 42(2). 95-104.
920. WEISS, L.M. 1930. Riadh: die Stadt des Konigs Ibn Sa'ud. Atlantis 522-530.

#### CONSUMPTION PATTERNS

##### BOOKS

921. AL-KAYLANI, H.M. 1964. Sample surveys of household food consumption in Riyadh, Saudi Arabia Beirut, Amer.Univ. Econ. Res. Instit.
922. SHEA, T.W. 1969. Measuring the changing family consumption patterns of ARAMCO'S Saudi Arab Employees - 1962 & 1968. Dhahran, ARAMCO

#### 14. ECONOMIC DEVELOPMENT

##### GENERAL

In addition to the references listed, there are a number of bulletins published by Chambers of Commerce, etc., which deal with the general economic situation and prospects for trade.

##### BOOKS

923. GENERAL UNION OF CHAMBERS OF COMMERCE, INDUSTRY AND AGRICULTURE FOR ARAB COUNTRIES. 1968. Arab Economic Report. Beirut. 300p.
924. KRAUS, W. (Ed). 1969. Nomadisms als Entwicklungsproblem. Gutersloh, Bertelsmann, Univ. 192pp.
925. UNITED NATIONS, 1967. Industrial development in the Arab Countries. New York, U.N. 140pp.
926. \_\_\_\_\_ 1967. Development planning and social objectives in various countries in the Middle East. New York, U.N.

##### ARTICLES (see also 693, 734, 752, 753, 762, 763, 764)

927. DALENBERG, C. 1946. Changes in Arabia. Mosl.Wld. 36(1).65-68.
928. EDENS, D.G., SNAVELEY, W.P. 1970. Planning for economic development in Saudi Arabia. Mid.East J. 24(1). 1-16.
929. EMAM, H.S. 1965. Problems of economic growth in oil producing countries: a case study of Saudi Arabia. Arab J. 2(1).16-24.
930. FARMER, R.N. 1959. Local entrepreneurship in Saudi Arabia; problems of carrying on a twentieth century business in a fifteenth century economy. Bus.Hist.Rev. 33(1). 73-86.
931. FROOD, A.M. 1939. Recent economic and social developments in Saudi Arabia. Geography 24. 162-170.
932. HARRISON, P.W. 1924. Economic and social conditions in Eastern Arabia. Mosl.Wld. 14(2). 163-171.
933. HOLT, A.L. 1923. The future of the North Arabian desert. Geogr.J. 62(4). 259-271.
934. INTRONA, S. 1957. Arabia Saudita, il Regno della Mecca. L'Universo 37(3). 479-498.
935. METTA, V.B. 1936. A decade of progress in the Hedjaz. Contemp. Rev. 150. 473-477.

936. PRETCEILLE, M. 1954. Evolution de l'Arabie. Geographia 32. 28-33.
837. \_\_\_\_\_ 1954. Evolution économique de l'Arabie. Geographia 33. 3-11.
938. REMBA, O. 1962. The Middle East in 1961 - an economic survey. Mid. East Affairs 13(3). 66-83.
939. SHEEAN, V. 1969. Where oil and water mix. Ceres (FAO). 2(3). 27-31.
940. STAVMIK, J. 1947. L'Arabie dans l'économie mondiale. Econ. Contemp. 19-22.
941. TOMKINSON, M. 1970. Requiem for the Empty Quarter. Geogr.Mag. 43(3). 183-193.
942. VAN DER MEULEN, D. 1965. Changing Arabia: an observers impressions 1926-1964. Nederlands-Arabische Kring. Leiden, Brill. 112-129.

#### AGRICULTURE

There is a large literature of consultancy reports on agriculture in the Kingdom, many of which are of a confidential nature. Of particular interest are the Area Resource Surveys for Agricultural Development which have not yet been released.

BOOKS (see also 241, 242, 271, 416, 520, 649, 896)

943. ASFOUR, E.Y., MEDAWAR, G.S., AL-KAYLANI, M.S., TAKIEDDINE, L. 1965. Saudi Arabia: long term projection for supply and demand for agricultural products. Beirut, Amer.Univ.Econ.Res.Inst.
944. DOWSON, V.H.W., ATEN, A. 1962. Dates: handling processing and packing. FAO Agric.Dev.Paper 72. 392pp.
945. HOLM, H. 1955. The Agricultural Resources of the Arabian Peninsula. Washington, U.S.Dept.Agric.
946. KEEN, B.R. 1945. The Agricultural Development of the Middle East. London, HMSO. 126pp.
947. MEDAWAR, G.S. 1964. Agricultural Production in Saudi Arabia (1380-1383H). Beirut, Amer.Univ.Econ.Res.Inst.
948. MOE, L.E. 1966. Saudi Arabia: supply and demand projections for farm products to 1975, with implications for U.S.Exports. Washington, U.S.Dept.Agric. 32pp.

949. SABRY, Z.I. 1960. Processing of Dates in the Eastern Province of Saudi Arabia. Beirut, Amer. Univ. Agric. Sci. Fac. 11pp.
950. SMITHERS, R. 1966. Bedouin development in Saudi Arabia: the Haradh Project. Beirut, Ford Foundation
951. TWITCHELL, K.S., WATHEN, A.L., HAMILTON, J.G. 1943. Report of the U.S. Agricultural Mission to Saudi Arabia. Cairo 147pp.

ARTICLES (see also 243, 308, 320, 323, 532, 697)

952. AKKAD, H.A. 1967. The nomad problem and the implementation of a nomadic settlement scheme in Saudi Arabia. in, Land Policy in the Near East. (ed. M.R. El-Ghony) Rome, FAO. 296-305.
953. ANON. 1957. Agricultural Progress in Saudi Arabia. Arab News & Views 3(11).
954. APPELMAN, H. 1970. A fattening trial with yearling rams of the Saudi Arabian Najdi and Arabi breeds. Neth. J. Agric. Sci. 18(1). 84-88.
955. CRARY, D.D. 1951. Recent agricultural development in Saudi Arabia. Geogr. Rev. 41(3). 366-383.
956. DOWSON, V.H.W. 1949. The date and the Arab. J. Roy. Cent. Asian Soc. 36(1). 34-41.
957. \_\_\_\_\_ 1952. To Arabia in search of date palm offshoots. J. Roy. Cent. Asian Soc. 39(1). 45-56.
958. NIXON, R.W. 1954. Date culture in Saudi Arabia. Date Growers Inst. Rep. Coachella Valley, California. 31. 15-20.
959. SAADE, R.F. 1969. Réalités et Problèmes de l'agriculture séoudienne. Rev. Soc. Belge. Etudes et d'Expansion. 235. 236-242.
960. SMITH, J.T. 1951. Development of irrigation farms with special reference to irrigation and crop production under desert conditions as observed in Saudi Arabia. Proc. U.N. Sci. Conf. Util. Res. IV. 385-388.
961. UHLIG, D. 1965. Das Be- und Entwässerungs projekt de Al Hassa - Oasen in Saudi Arabia. Wasserwirtschaft 55(2). 53-57.
962. \_\_\_\_\_ 1969. König-Faisal Projekt Haradh; Ein siedlungsvohaben in der Wüste Arabiens. Wasserwirtschaft 59(6). 171-176.
963. VAN VALKENBURG, S. 1932. Agricultural regions of Asia: Part II The Near East. Econ. Geogr. 8(2). 109-133.

FISHING AND PEARLING

ARTICLES (see also 251, 253, 256, 257, 263, 264, 265)

964. ANON. 1929. The Pearl fishing industry of the Persian Gulf.  
1929. Fishing News 17(851). 33.
965. \_\_\_\_\_ 1957. Japanese-Iranian fishing and marketing enterprise  
in Persian Gulf. Comm.Fish.Rev. 19(2). 45-46.
966. \_\_\_\_\_ 1959. Shrimp fishing in the Persian Gulf expanding.  
Comm.Fish.Rev. 21(7). 68-69.
967. \_\_\_\_\_ 1965. Anglo-arabian shrimp fishing venture in Persian  
Gulf. Comm.Fish.Rev. 27(3). 87.
968. BOWEN, R.L. 1940. Arab Dhows of Eastern Arabia. Amer.Neptune.  
9(2). 87-132.
969. \_\_\_\_\_ 1951. The Dhow sailor. Amer.Neptune 11(3). 161-202.
970. \_\_\_\_\_ 1951. The marine industries of Eastern Arabia.  
Geogr.Rev. 41(3). 384-400.
971. \_\_\_\_\_ 1952. Primitive watercraft in Arabia. Amer.Neptune  
12(3). 186-221.
972. \_\_\_\_\_ 1955. Maritime superstitions of the Arabs.  
Amer.Neptune. 15(1). 5-48.
973. CARNIGLIA, G.B. 1923. Relazione della campagna esplorativa  
di pesca del Mar Rosso. Bull.Inf.Econ. 5
974. DE MONFRIED, H. 1937. Pearl fishing in the Red Sea. Nat.Geogr.  
Mag. 72(5). 597-626.
975. ERDMAN, D.S. 1950. Fishing in Arabia. Sci.Monthly. 70(1). 58-65.
976. HORNELL, J. 1942. Classification of Arabian seacraft. Mariners  
Mirror. 28. 11-40.
977. NINNI, E. 1931. Relazione sulla campagna esplorativa di pesca  
nel Mar Rosso. Boll.Pesca.Pisci.Ibriol. 7(2).



## INDUSTRY

### ARTICLES

978. ANON. 1970. Jeddah's steel rolling mill. Arab Wld. 26. 13-14.
979. COON, C.S. 1955. Operation Bultiste: promoting industrial development in Saudi Arabia. in. Hands Across Frontiers: case studies in technical cooperation (eds. H.M. Teaf, P.G. Frank). Ithaca, Cornell Univ. Press 307-361.
980. SHEIKH, A.M.S. 1965. Le developpement industriel en Arabie Saudite. Rev.S.Etudes et Expansion (Liege) 217. 505-509.

## MINING

### BOOK

981. MIN. PETROLEUM & MINERAL RESOURCES. 1965. Mineral Resources of Saudi Arabia: a guide for investment and Development. Dir. Gen. Min. Res. Saudi Arabia. 73pp.

ARTICLES (see also 126, 127, 128, 455)

982. ANON. 1965. Saudi Arabia's new mineral development programme. Engng. Min. J. (Hightstown) 166(11). 87-96.
983. HASSON, R.C. 1955. Explorations in Saudi Arabia. Mines Mag. 119-128.
984. KABBANI, F. 1967. Saudi Arabia's exploration program reveals significant mineral finds. Engng. Min. J. (Hightstown) 167(4). 89-98.
985. VARIOUS AUTHORS 1963-1970. (annual contributions). The mineral industry of Saudi Arabia. In Minerals Year Book, U.S. Bureau Mines (each article 3-4 pages).

## TRANSPORT, COMMUNICATIONS AND TRADE

This section includes a number of references which deal with Saudi Arabia's relations with other countries and which do not strictly come under the category of trade.

### BOOKS

986. ALTHEIM, F., STIEHL, R. 1964. Die Araber in der Alten Welt. Berlin, De Gruyter. 5 volumes

987. DOUGHERTY, R.P. 1932. The Sealand of Ancient Arabia. Yale Univ.Press 203pp.
988. HOURANI, G.F. 1951. Arab seafaring in the Indian Ocean in Ancient and early Medieval-times. Princeton Univ.Press. 131pp.
989. VILLIERS, A.J. 1969. Sons of Sinbad. New York, Scribans 441pp.
- ARTICLES (see also 533, 552, 559, 583, 971, 976)
990. ABDO A.S. 1970. Domestic air passenger transport in Saudi Arabia. Bull.Fac.Arts.Univ.Riyadh. 1. 21-39.
991. ANON. 1960. Japanese successes in Arabia. Egypt.Econ.Pol.Rev. 6(4). 22.
992. BONIN, C.E. 1909. Le chemin de fer du Hedjaz. Ann.Géogr. 18(100). 416-432.
993. BORMIOLI, A.M. 1950. L'Arabia saudita e il lavoro italiano. L'Universo. 30(3). 411-416.
994. CARTER, W. 1966. The pilgrim railway. Geogr.Mag. 39(6). 422-433.
995. DE CRUZ, D. 1965. Pilgrim's road. Aramco Wld. 16(5).24-33.
996. FARMER, R.N. 1962. Inland freight transportation pricing in Eastern Saudi Arabia. J.Ind.Economics 10(3). 174-187.
997. KISTER, M.J. 1965. Mecca and Tarim (aspects of their relations). J.Econ.Soc.Hist.Orient. 8(2). 113-163.
998. McLOUGHLIN, B. 1958. The Hejaz railroad. Geogr.J. 124(2). 282-283.
999. MAUNSELL, F.R. 1908. The Hejaz railway. Geogr.J. 32(6).570-585.
1000. \_\_\_\_\_ 1909. One thousand miles of railroad built for pilgrims and not for dividends. Nat.Geogr.Mag.20(2). 156-173.
1001. NALLINO, C.A. 1930. L'Egypte avait-elle des relations directes avec l'Arabie méridionale avant l'age des Ptolemies? Bull. Inst. Fr.Arch.Orient. 30(4). 465-475.
1002. PHILBY, H.St.J.B. 1920. The highways of central Arabia. J.Cent. Asiatic Soc. 7(2). 112-125.
1003. \_\_\_\_\_ 1939. African contacts with Arabia. J.Roy. African Soc. 38. 33-46.
1004. PORTER, P.A. 1957. The Gulf of Aqaba, an international waterway and its significance to world trade. Washington, Public Aff. Pr. 1-18.

1005. ROSSI, E. 1932. La questione delle ferrovie del Higras 'waqf' musulmans. L'Avreinie Arabo.
1006. STANLEY, W.R. 1966. Review of Turkish Asiatic railways to 1918; some political military considerations J.Trans. Hist. (Leics). 7(4). 189-204.
1007. TANNUS, N. 1964. The Hejaz railway. Pilgrim trains to run again. Arab Wld. 4. 19-24.
1008. USHA, A.S. 1957. Arabia and its early contacts with India. Anns. Orient.Res. 13. 47-55.
1009. VAN OS, J. 1967. Desert road. Aramco Wld. 18(2). 22-28.
1010. VILLIERS, A. 1948. Some aspects of the Arab Dhow trade. Mid.East J. 2(4). 399-416.
1011. VON WISSMAN, H. 1941. Arabien und seine Kolonialen Ausstrahlungen; ein geographisch-geosichtl Skizze. Europas Koloniale Ergänzungstaume (Leipzig). 374-488.
1012. YUSUF, S.M. 1955. Al Ranaj: the route of the Arab mariners across the Bay of Bengal and the Gulf of Siam in the 3rd and 4th Centuries AH. Isl.Culture. 29(2). 77(103).

## 15. OIL.

### TECHNICAL.

Many of the references in the Geology section are also of technical significance.

ARTICLES (see also 79, 85, 123, 132, 133, 134, 139)

1013. BARTLETT, W.R. 1962. Saudi Arabian oilfields' performance with an electronic model. Third Arab Petrol. Congr. Alexandria. 2. 31(B-3)
1014. CREGEEN, D.J. 1960. Well logging methods used in south-east Arabia. Second Arab Petrol. Congr. Beirut 2. 227-239.
1015. EL ASUAR, M.A. 1960. Reservoir performance under gas and water injection, Abqaiq field, Saudi Arabia Second Arab Petrol. Congr. Beirut. 2. 290-307.
1016. GHALAYINI, A.K. 1970. Drilling techniques and cost in Saudi Arabia. Seventh Arab Petrol. Congr. Beirut 92(B-1).
1017. HILL, A.C.C., ZINOLA, E.P. 1960. Associated gas in Saudi Arabia. Second Arab Petrol. Congr. Beirut. 2. 267-284.
1018. HOKE, J.H., ZIMMERMAN, S. 1963. Refractory prospecting in the Rub'al Khali. Fourth Arab Petrol. Congr. Beirut. 2. 26 (B-2)
1019. THRALLS, W.H., HASSON, R.C. 1957. Basic pattern of exploration in Saudi Arabia remains unchanged. Oil and Gas J. 55(28). 91-96.

### GENERAL

References include not only studies of Arabian oilfields but also the effects of Saudi Arabian oil in relationships with other countries. The history of the concessions is also included in this section as well as legal aspects.

BOOKS (see also 438, 508, 678)

1020. BROWN, E.H. 1963. The Saudi Arabia - Kuwait Neutral Zone. Beirut. Mid. East Research and Publ. Centre Mid. East Oil Monograph 4. 150pp.
1021. CAROE, O. 1957. Wells of Power, the oil fields of S.W. Asia. London, Macmillan. 240pp.

1022. CATTAN, H. 1967. The Evolution of Oil Concessions in the Middle East and North Africa. New York, Dobbs-Ferry. 173pp.
1023. CHEREY, M.S. 1958. Big Oil Man from Arabia. London, Heineman. 320pp.
1024. FINNIE, D.H. 1958. Desert Enterprise. Cambridge (U.S.A.) Harvard University Press 225pp.
1025. FRANK, H.J. 1966. Crude oil prices in the Middle East. New York, Praeger. 210pp.
1026. HAMILTON, C.W. 1962. Americans and oil in the Middle East. Houston, Gulf. 308pp.
1027. ISSAWI, C., YEGANEH, M. 1963. The Economics of Middle Eastern Oil. London, Faber and Faber. 230pp.
1028. LEBKICHER, R. 1952. Aramco and World Oil. New York, Moore (ARAMCO handbook).
1029. LEEMAN, W.A. 1962. The Price of Middle East oil, an essay in political economy. Ithaca, Cornell Univ Press 274pp.
1030. LENCZOWSKI, G. 1960. Oil and State in the Middle East. Ithaca, Cornell Univ.Press 379pp.
1031. LONGRIGG, S.H. 1968. Oil in the Middle East, its discovery and development. London, Oxford Univ. Press (3rd Edition) 519pp.
1032. MIKDASHI, Z. 1965. A financial analysis of Middle Eastern Oil Concessions, 1901-1965. New York, Praeger. 341pp.
1033. MIKESELL, R.F., CHENERY, H.B. 1949. Arabian Oil, America's stake in the Middle East. Chapel Hill, Univ N.Carolina Press.
1034. MOORE, F.L. 1951. Origin of Arabian oil concessions in Bahrein, Kuwait and Saudi Arabia. Princeton, Univ.Press. 56pp.
1035. PRATT, W.E., GOOD, D. (editors) 1950. World Geography of Petroleum. Amer.Geog.Soc. Spec Publication 31. Princeton Univ.Press.
1036. PHILBY, H.St.J.B. 1964. Arabian oil ventures. Washington, Middle East Institute. 134pp.
1037. REISCH, M. 1954. König im Morgenland. Vienna, Ullstein. 258pp.
1038. ROOSEVELT, K. 1949. Arabs, Oil and History. London, Gollancz. 271pp.



1039. SIKSEK, S.G. 1960. The legal framework for oil concessions in the Arab World. Beirut, Mid.East Research and Publ.Centre  
Mid.East Oil Monograph, 2. 140pp.

1040. WARD, T.E. 1965. Negotiations for Oil Concessions in Bahrein, El Hasn, the Neutral Zone and Kuwait New York, Ardlee  
(Private circulation). 296pp.

ARTICLES (see also 692, 702, 703)

1041. ANON. 1961. All maps were blank: Arabia's great desert yields its secrets to oil explorers. The Lamp. 43(3). 16-21.

1042. AURADA, F. 1962. Entwicklung und Bedeutung der Erdölfelder Ostarabiens. Mitt.der Osterreich. Geog.Geselts. 104(1-2). 230-239. 104(3). 379-397.

1043. \_\_\_\_\_ 1965. Kuwait: Saudi Arabien Teilung der Neutralen zone. Mitt.der Osterreich Geog.Geselts. 107(1-2) 115-116.

1044. BIANCHINI, M. 1951. Il petrolis nell' Arabia Saudita. Boll.Soc.Geog.Ital. Series 8. 4(3-4). 144-155.

1045. FOOTE, P. 1945. The discovery of an oilfield. Proc.Amer. Phil.Soc.Philadelphia. 92. 15-25.

1046. LANGELLA, V. 1964. Il petrolis nella geografia politica della penisola d'Arabia. Ann.Instit. Univ.Orientale Napoli 14(1). 203-232.

1047. LONGRIGG, S.H. 1949. The liquid gold of Arabia. J.Roy.Cent. Asian Soc. 36(1). 20-33.

1048. LUTFI, A. 1965. Royalty oil economics - key to Arab participation in the International oil industry. Fifth Arab Petrol.Congr. Cairo. 1. 1(A-4).

1049. McCLURE, P.J. 1958. Oil lifeblood of the free world. Mil.Rev. 37 (12). 33-41.

1050. STEVENS, G.P. 1949. Saudi Arabia's Petroleum Resources. Econ. Geography. 25(3). 216-225.

1051. TAYIM, H.A. 1960. Utilization of Natural Gas in Saudi Arabia. Second Arab Petrol. Congr. Beirut. 2. 308-321.

1052. WELLS, M.J. 1966. New assessment of Saudi Arabia Reserves have high potential. Wld.Petrol. 14.

1053. WETZEL, R., MORTON, D.M. 1955. Expedition in southern Arabia. Iraq Petroleum. 5(1). 12-19. 5(2). 24-27.

OIL AND DEVELOPMENT

BOOKS

1054. ARAMCO. 1965. Aramco's role in the development of the Eastern Province. Dammam.
1055. BADRE, A.Y., SIKSEK, S.G. 1959. Manpower and oil in Arab Countries. Beirut, AUB Econ. Rev. Inst. 270pp.
1056. GRAF, S.U. 1967. Arbenteuer Südarabien Oil verwandelt Allah's Wusten. Stuttgart, Belser, 1967. 175pp.
1057. SAYEGH, K.S. 1968. Oil and Arab Regional Development. New York, Praeger. 359pp.
1058. SHWADRAN, B. 1955. The Middle East, Oil and the Bedouins. New York, Praeger. 500pp.
1059. TOTTEN, D.E. 1959. Erdöl in Saudi Arabien. Heidelberg, Koysersche Verlags, 174pp.

ARTICLE

1060. KHATIB, A., MUNIF, H., RUWAYHA, F. 1963. Aramco's participation in Saudi Arabian development. Fourth Arab Petrol.Congr. Beirut. 1. 53(A-1).

16. ADDENDA

BOOKS

1061. AMERICAN GEOGRAPHICAL SOCIETY. 1970. The Arabian Peninsula. New York, Nelson Doubleday. 64pp.
1062. ARABIAN STUDIES SEMINAR. 1970. Proceedings of the Seminar. London, Institute of Archaeology
1063. ASSAD, T.J. 1964. Three Victorian Travellers. London, Routledge and Kegan Paul. 154pp.
1064. GARDNER, B. 1966. Allenby of Arabia, Lawrence's General. New York: Coward-McCann. 314pp.
1065. LANDAN, R. 1940. Personalia. London, Faber and Faber. 269pp.
1066. LAWRENCE, T.E. 1967. Evolution of a Revolt, Early Postwar Writings of T.E. Lawrence. Pennsylvania State University Press. 175pp.
1067. HART, B.H. 1965. "T.E. Lawrence" in Arabia and After. London, Cape. 489pp.
1068. MEULEN, D. van der. 1961. Faces in Shem. London, J. Murray. 194pp.
1069. NICHOLSON, R.A. 1969. A literary history of the Arabs. London, Cambridge. 506pp. (first published in 1907).
1070. NUTTING, A. 1961. Lawrence of Arabia; the Man and the Motive. New York, C.N. Potter. 256pp.
1071. RENTZ, G. 1960. A Sketch of the Geography, People and History of the Arabian Peninsula. Dhahran, ARAMCO. 67pp.
1072. SANGER, R.H. 1954. The Arabian Peninsula. Ithaca, Cornell University Press. 295pp.
1073. SHAH, S.I. 1933. The Golden Pilgrimage. London, D. Archer. 299pp.
1074. \_\_\_\_\_ 1969. Destination Mecca. London, Octagon. 192pp.
1075. STEWART, D. (ed) 1962. The Arab World. Time-Life International (Nederland). 160pp.
1076. STORRS, R. 1943. Orientations. London, Nicholson & Watson. 532pp.

1077. U.S. BUREAU OF LABOUR STATISTICS. 1964. Labour Law and Practice in Saudi Arabia. Washington, Govt. Printing Office. 45pp.

ARTICLES

1078. VAN TONCIC-SORINJ, M. 1930. Eine Pilgerfahrt nach Mecca. Atlantis 134-141.
1079. WINNETT, F.V. 1939. The Place of the Mineans in the History of Pre-Islamic Arabia. Bull. Amer. Schools Orient. Res. 73. 3.

